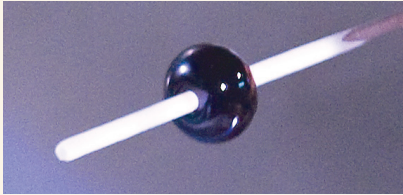


## The Reducing Sequence

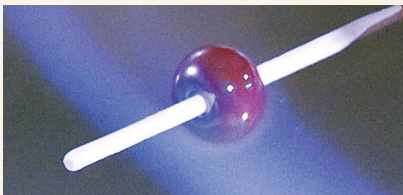
Work in a neutral flame



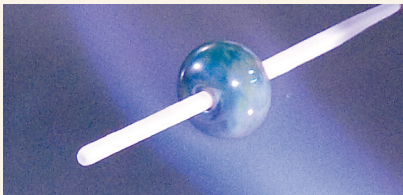
Cool until the glow is gone



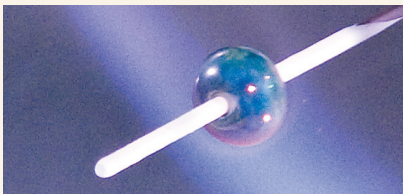
Create a reduction flame by reducing the oxygen, increasing the propane, or both



Gently reheat in the reduction flame



Experiment with the length of the reduction time and/or repeating the sequence to create different effects



An oxidizing flame can be used to “erase” some of the reduction effects



Silver Glass and  
Other Specialty  
Glasses for the Soft  
Glass Lampworker

Double Helix Glassworks is a husband and wife team of Jed and Julie Hannay, with their two employees. Jed, who is the mad scientist around here, has been a lampworker since 1999. He worked at Frantz Art Glass for many years. While standing in Frantz’s warehouse full of every color of glass available in soft glass and borosillicate, he wondered why the borosillicate palette wasn’t available in soft glass, so he tried to make it himself. From there through continual experimenting, he developed new types of glasses that didn’t exist in either palette. Imitation is the sincerest form of flattery, so there are other companies making similar glasses now. What sets us apart? One word: Standards. We test every batch of glass for compatibility, consistency, and quality. We are made in the USA and are a 100% green-power participant.

Reducing silver glass:

Aion 2, Aurae, Boreas, Euros, Elektra 2, Gaia, Helios, Notos, Ossa, Oxalis, Psyche, and Triton.

Striking silver glass:

Khaos, Luna 2, and Terranova 2

Reducing and striking silver glass:

Clio, Ekho, Kalyпсо, Okeanos, and Terra 2

Kiln striking silver glass:

Pandora 2

Always use proper ventilation.

Made in USA

[www.doublehelixglassworks.com](http://www.doublehelixglassworks.com)

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Hayley Tsang Sather and Helen Tsang – [www.envisionsf.com](http://www.envisionsf.com)

## Double Helix Reducing Silver Glass

# Psyche and Triton

by Hayley Tsang Sather and Helen Tsang



Helen and Hayley Tsang are sisters whose backgrounds in architecture, fine art, and graphic design lead them to transform their creative energy into material form. Their San Francisco lampworked glass and artisan jewelry studio is named enVision for their motto – we live to create; we love to envision. Helen is an architect specializing in high-end residential architecture while Hayley is a graphic designer in both print and web projects.

There are essentially two types of silver soft glass – striking and reducing. Reducing silver glass produces beautiful iridescence while striking silver glass yields most of the color spectrum. The Tsang sisters will share their love of reducing silver glass in this tutorial.

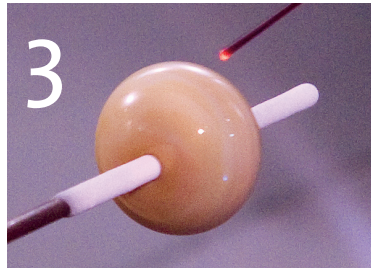
The Reducing Sequence is a quick reference guide to help you achieve different reduction effects. It’s better to reduce multiple times in a smaller reduction flame than to run the risk of over-reducing in a heavy reduction flame.

### Tools and Materials:

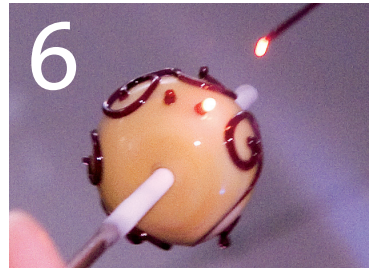
- Effetre Opal Yellow
- Double Helix Psyche
- 1-1.5mm stringer

### Option 2

- Effetre Opalino Nile Green
- Double Helix Triton
- 1-1.5mm stringer



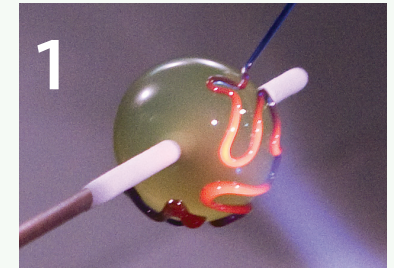
3  
Begin by working at the right edge of the tip of the flame.



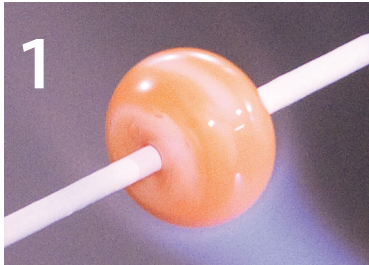
6  
Add dots to complete the design.



9  
Continue reducing by bouncing in and out of the flame until desired effect is achieved.



1  
Apply Triton stringer to a base bead of Opalino Nile Green.



1  
Start by making a base bead of Opal Yellow.



4  
Apply stringer with the base bead below the flame.



7  
Melt in stringer decoration slightly. Let the bead cool until the glow is gone.



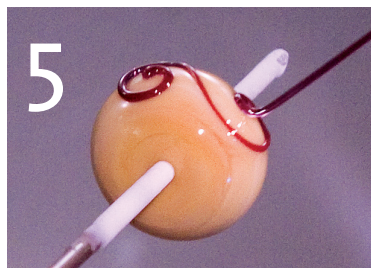
Double Helix Psyche  
on Effetre Opal Yellow



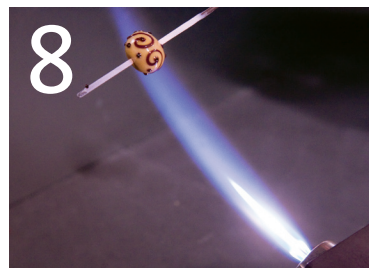
2  
Melt in stringer decoration slightly making sure there is no undercut. Let the bead cool until the glow is gone. Follow steps 8 to 9.



2  
Adjust to a small oxydizing flame.



5  
The stringer should be at the right edge of the flame and never inside the flame.



8  
Create a reduction flame by reducing the oxygen, increasing the propane, or both. Gently reheat the bead at the tip of the flame.

## Other Combinations

Try Double Helix Triton on Effetre Opalino Nile Green (right). Experiment with different effects such as leaving the stringer decoration raised, melting it in slightly, or melting it all the way into the base bead.

Other combinations to try, as shown in main photograph:

- Triton on Vetrofond Transparent Red
- Psyche on Effetre Pale Amber



Double Helix Triton  
on Effetre Opalino Nile Green