

# Converting Colors

CIELCh(56, 79.133, 321.065)

Have a look what the booklet for  
CIELCh(56, 79.133, 321.065)  
contains.

<b>CIELCh(56, 79.094, 321.113)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(56, 79.094, 321.113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C359DE
RGB	195, 89, 222
RGB Percent	76%, 35%, 87%
CMY	0.2365, 0.6521, 0.1306
CMYK	0.12, 0.60, 0.00, 0.13
HSL	288°, 67%, 61%
HSV	288°, 60%, 87%
XYZ	39.1150, 23.9124, 71.4430
YIQ	135.8560, 20.4830, 63.8350

# Conversions

## Conversions Part 2

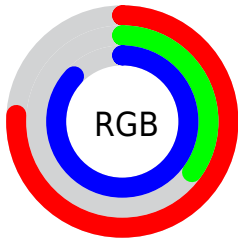
Format	Color
R <sub>YB</sub>	195, 89, 222
Decimal	12802526
CIE Lab	56.00, 61.57, -49.65
CIE LCh	56, 79.094, 321.113
Yxy	23.9124, 0.2909, 0.1778
Android (android.graphics.Color)	4290992606 (0xFFC359DE)
YUV	135.8560, 42.4690, 51.8693
Hunter-Lab	48.9003, 57.2053, -52.3921

# Details

The CIELCh color **56, 79.094, 321.113** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **80, 77.517, 135.155**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 68.375, 326.499**, and **36, 78.913, 321.134** is the 20% darker color. If you saturate the color by 10%, you get **52, 89.487, 321.261**, and if you desaturate by 10%, it is **61, 67.108, 320.834**.

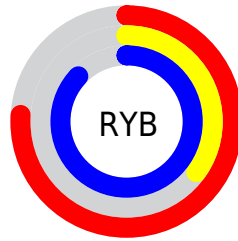
# Distribution



Red (76%)

Green (35%)

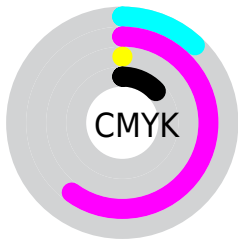
Blue (87%)



Red (76%)

Yellow (35%)

Blue (87%)

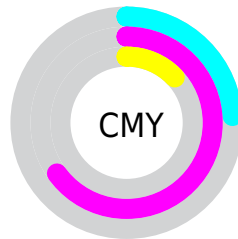


Cyan (12%)

Magenta (60%)

Yellow (0%)

Black (13%)



Cyan (24%)

Magenta (65%)


Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 79.094, 321.113 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 56, 79.094, 321.113 by changing the saturation by 10% instead.





 56, 79.094,  
321.113


 56, 79.094,  
321.113


 100, 79.094,  
321.113


 46, 79.094,  
321.113


 76, 79.094,  
321.113

 36, 79.094,  
321.113

 86, 79.094,  
321.113

 26, 79.094,  
321.113

 96, 79.094,  
321.113

 16, 79.094,  
321.113

 6, 79.094, 321.113

 0, 79.094, 321.113

56, 79.094,  
321.113

56, 79.094,  
321.113

52, 89.487,  
321.261

61, 67.108,  
320.834

49, 97.658,  
321.230

66, 54.129,  
320.467

47, 103.113,  
320.978

71, 40.634,  
320.047

45, 106.033,  
320.514

77, 26.972,  
319.601


45, 106.037,  
320.513

82, 13.375,  
319.144

88, 0.008, 166.668

94, 13.088,  
138.317

98, 19.123,  
136.083

 98, 18.413,  
131.740

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56, 79.094, 321.113



80, 77.517, 135.155

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 79.094, 321.113



56, 79.094, 11.113



56, 79.094, 141.113



56, 79.094, 191.113

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56, 79.092, 321.113



88, 27.179, 319.517



52, 60.313, 290.470



45, 18.921, 319.650



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 79.092, 321.113



59, 102.072, 321.272



58, 66.962, 338.386



43, 7.532, 319.118



35, 88.225, 320.630



5, 33.524, 320.994



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 55.467, 12.537



59, 73.588, 16.705



79, 67.264, 147.513



43, 4.800, 3.837



36, 69.294, 28.944

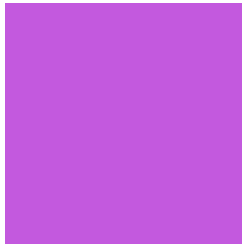


5, 23.746, 11.492



# Previews

## White Background



This preview shows how the CIELCh color 56, 79.094, 321.113 looks on a white background.

## Color Contrast Check

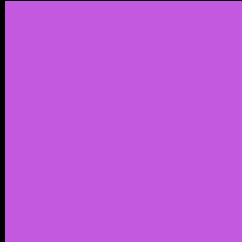
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 56, 79.094, 321.113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

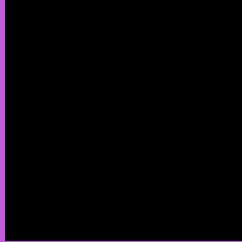
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 56, 79.094, 321.113**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 56, 79.094, 321.113.

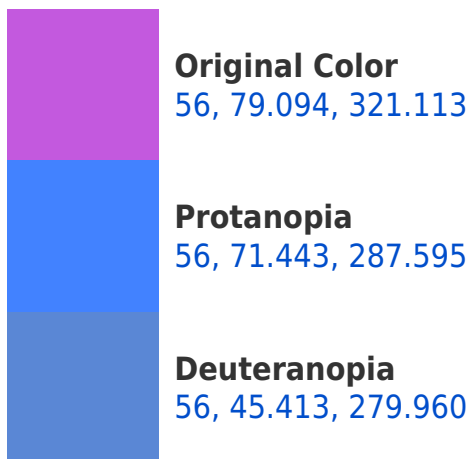


This preview shows how white text looks on a background with the CIELCh color 56, 79.094, 321.113.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy







**Tritanopia**  
56, 27.393, 12.121

# Trichromacy



**Original Color**  
56, 79.094, 321.113



**Protanomaly**  
54, 73.232, 297.766



**Deuteranomaly**  
55, 56.425, 299.368



**Tritanomaly**  
55, 42.208, 338.667

# Monochromacy



**Original Color**  
56, 79.094, 321.113



**Achromatopsia**  
57, 0.007, 296.813



**Achromatomaly**  
55, 30.879, 319.806

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 79.094, 321.113 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 89, 222)` looks like.

```
.text, #text, p{  
    color:rgb(195, 89, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 89, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 89, 222) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 79.094, 321.113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 89, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(195, 89, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(195, 89, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 89, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 89, 222);  
box-shadow:4px 4px 4px 4px rgb(195, 89,  
222) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 79.094, 321.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 89, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195, 89,  
222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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