

Converting Colors

CIELCh(55, 39.571, 290.727)

Have a look what the booklet for
CIELCh(55, 39.571, 290.727)
contains.

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Color

CIELCh(55, 39.623, 290.763)

Conversions

Conversions Part 1

Format	Color
Hex	767FC4
RGB	118, 127, 196
RGB Percent	46%, 50%, 77%
CMY	0.5382, 0.5028, 0.2323
CMYK	0.40, 0.35, 0.00, 0.23
HSL	233°, 40%, 61%
HSV	233°, 40%, 77%
XYZ	24.9349, 22.9298, 55.1892
YIQ	132.1750, -27.5130, 19.5510

Conversions

Conversions Part 2

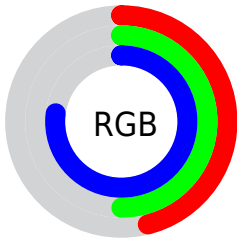
Format	Color
R_{YB}	118, 126, 196
Decimal	7765956
CIE _{Lab}	55.00, 14.05, -37.05
CIE _{LCh}	55, 39.623, 290.763
Yxy	22.9298, 0.2420, 0.2225
Android (android.graphics.Color)	4285956036 (0xFF767FC4)
YUV	132.1750, 31.4657, -12.4315
Hunter-Lab	47.8851, 9.1502, -34.8141

Details

The CIELCh color **55, 39.623, 290.763** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **75, 36.707, 100.742**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 39.418, 290.638**, and **35, 39.843, 291.020** is the 20% darker color. If you saturate the color by 10%, you get **49, 50.537, 292.832**, and if you desaturate by 10%, it is **61, 29.123, 288.976**.

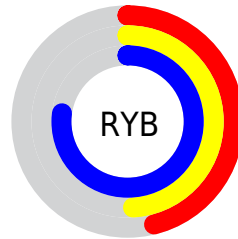
Distribution



Red (46%)

Green (50%)

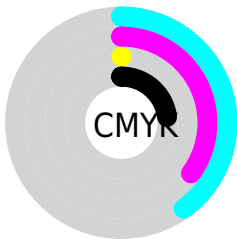
Blue (77%)



Red (46%)

Yellow (49%)

Blue (77%)

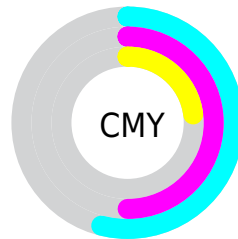


Cyan (40%)

Magenta (35%)

Yellow (0%)

Black (23%)



Cyan (54%)


Magenta (50%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 39.623, 290.763 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 55, 39.623, 290.763 by changing the saturation by 10% instead.


 55, 39.623,
290.763


 55, 39.623,
290.763


 100, 39.623,
290.763


 45, 39.623,
290.763


 75, 39.623,
290.763

 35, 39.623,
290.763

 85, 39.623,
290.763

 25, 39.623,
290.763

 95, 39.623,
290.763

 15, 39.623,
290.763

 5, 39.623, 290.763

 0, 39.623, 290.763

■ 55, 39.623,
290.763

■ 55, 39.623,
290.763

■ 49, 50.537,
292.832

■ 61, 29.123,
288.976

■ 43, 61.851,
295.176

■ 67, 19.016,
287.448

■ 38, 73.433,
297.738

■ 73, 9.272, 286.149

■ 33, 84.890,
300.365

■ 79, 0.138, 104.213

■ 85, 9.239, 104.053

■ 29, 95.369,
302.806

■ 91, 18.052,
103.236

■ 26, 103.603,
304.707

■ 97, 26.594,
102.525

■ 25, 103.711,
304.730

■ 99, 29.851,
107.908

Harmonies

Complementary

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



55, 39.623, 290.763



75, 36.707, 100.742

Rectangle

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



55, 39.623, 290.763



55, 39.623, 340.763



55, 39.623, 110.763



55, 39.623, 160.763

Sweetspot

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



55, 39.622, 290.763



91, 14.069, 286.435



74, 26.353, 186.551



47, 9.352, 286.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 39.622, 290.763



64, 60.197, 292.594



55, 45.934, 307.312



38, 5.294, 286.092



20, 88.759, 304.467



2, 17.887, 287.870

Inverse Universe

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



58, 32.699, 14.563



69, 49.721, 16.302



75, 42.698, 122.852



38, 4.229, 10.614



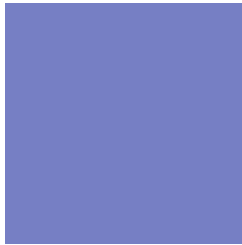
33, 69.125, 34.488



3, 14.105, 13.117

Previews

White Background



This preview shows how the CIELCh color 55, 39.623, 290.763 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 CIELCh color 55, 39.623, 290.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

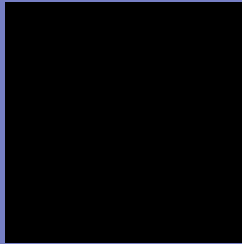
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 39.623, 290.763

Background



This preview shows how black text looks on a background with the CIELCh color 55, 39.623, 290.763.

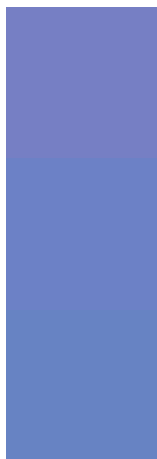


This preview shows how white text looks on a background with the CIELCh color 55, 39.623, 290.763.

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



Original Color


55, 39.623, 290.763

Protanopia

55, 39.817, 285.784

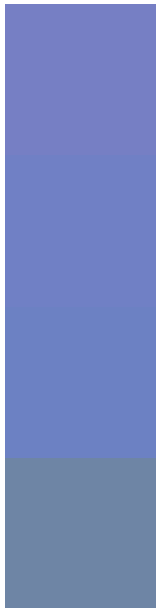
Deuteranopia

55, 37.247, 281.602



Tritanopia
55, 12.286, 226.510

Trichromacy



Original Color
55, 39.623, 290.763

Protanomaly
55, 39.718, 287.819

Deuteranomaly
55, 38.150, 285.102

Tritanomaly
55, 19.675, 269.074

Monochromacy



Original Color
55, 39.623, 290.763

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 14.397, 287.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 39.623, 290.763 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(118, 127, 196)` looks like.

```
.text, #text, p{  
    color:rgb(118, 127, 196)  
}
```

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(118, 127, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 127, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 39.623, 290.763 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(118, 127, 196) }
```

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

```
.border{ border-color:rgb(118, 127, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 127, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 127, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 127, 196);  
box-shadow:4px 4px 4px 4px rgb(118, 127,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 39.623, 290.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 127, 196) }
```

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

```
.background{ background-color: rgb(118,  
127, 196) }
```

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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