

Converting Colors

CIELCh(55, 39.952, 296.590)

Have a look what the booklet for
CIELCh(55, 39.952, 296.590)
contains.

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Color

CIELCh(55, 40.306, 296.586)

Conversions

Conversions Part 1

Format	Color
Hex	807CC2
RGB	128, 124, 194
RGB Percent	50%, 49%, 76%
CMY	0.4977, 0.5134, 0.2389
CMYK	0.34, 0.36, 0.00, 0.24
HSL	243°, 36%, 62%
HSV	243°, 36%, 76%
XYZ	25.8796, 22.9298, 54.1517
YIQ	133.1760, -20.0860, 22.6180

Conversions

Conversions Part 2

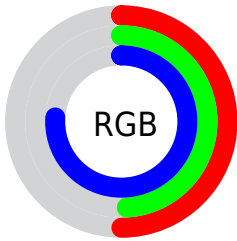
Format	Color
RYB	128, 124, 194
Decimal	8420546
CIELab	55.00, 18.04, -36.04
CIELCh	55, 40.306, 296.586
Yxy	22.9298, 0.2514, 0.2227
Android (android.graphics.Color)	4286610626 (0xFF807CC2)
YUV	133.1760, 29.9862, -4.5394
Hunter-Lab	47.8851, 12.6716, -33.5296

Details

The CIELCh color **55, 40.306, 296.586** is a light color, and the websafe version is hex **666699**. A complement of this color would be **77, 36.845, 109.289**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 40.103, 296.497**, and **35, 40.506, 296.900** is the 20% darker color. If you saturate the color by 10%, you get **49, 52.549, 298.184**, and if you desaturate by 10%, it is **62, 28.529, 295.194**.

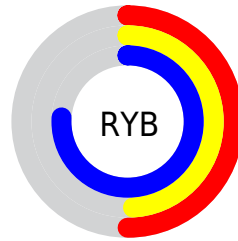
Distribution



Red (50%)

Green (49%)

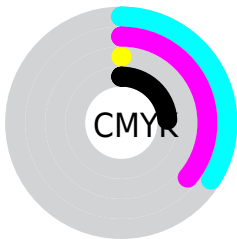
Blue (76%)



Red (50%)

Yellow (49%)

Blue (76%)

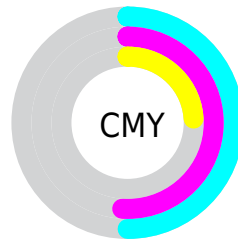


Cyan (34%)

Magenta (36%)

Yellow (0%)

Black (24%)



Cyan (50%)

Magenta (51%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 40.306, 296.586 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, 40.306, 296.586 by changing the saturation by 10% instead.

■ 55, 40.306,
296.586

■ 55, 40.306,
296.586

■ 100, 40.306,
296.586

■ 45, 40.306,
296.586

■ 75, 40.306,
296.586

■ 35, 40.306,
296.586

■ 85, 40.306,
296.586

■ 25, 40.306,
296.586

■ 95, 40.306,
296.586

■ 15, 40.306,
296.586

■ 5, 40.306, 296.586

■ 0, 40.306, 296.586

■ 55, 40.306,
296.586

■ 55, 40.306,
296.586

■ 49, 52.549,
298.184

■ 62, 28.529,
295.194

■ 42, 65.171,
299.969

■ 68, 17.230,
293.998

■ 36, 77.878,
301.867

■ 75, 6.384, 292.981

■ 31, 89.973,
303.711

■ 81, 4.039, 112.093

■ 27, 100.144,
305.234

■ 87, 14.070,
111.357

■ 24, 106.745,
306.147

■ 94, 23.735,
110.723

■ 24, 108.688,
306.446

■ 99, 30.680,
107.844

Harmonies

Complementary

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



55, 40.306, 296.586



77, 36.845, 109.289

Rectangle

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



55, 40.306, 296.586



55, 40.306, 346.586



55, 40.306, 116.586



55, 40.306, 166.586

Sweetspot

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



55, 40.305, 296.586



90, 14.460, 293.479



73, 21.829, 202.808



47, 9.822, 293.622



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, 40.305, 296.586



65, 60.428, 297.784



58, 41.971, 312.468



37, 5.992, 293.297



18, 94.415, 306.487



1, 19.499, 292.683

Inverse Universe

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



61, 44.230, 328.023



74, 64.672, 328.430



74, 40.130, 129.141



38, 6.950, 326.513



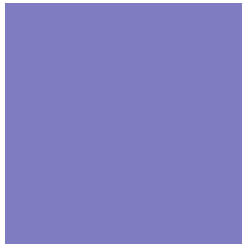
37, 78.254, 330.619



4, 22.966, 328.312

Previews

White Background



This preview shows how the CIELCh color 55, 40.306, 296.586 looks on a white background.

Color Contrast Check

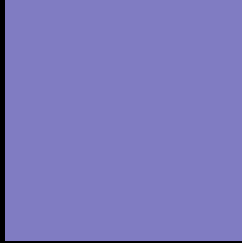
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.306, 296.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

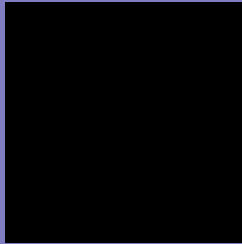
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 40.306, 296.586

Background



This preview shows how black text looks on a background with the CIELCh color 55, 40.306, 296.586.



This preview shows how white text looks on a background with the CIELCh color 55, 40.306, 296.586.

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

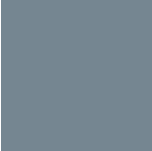
55, 40.306, 296.586

Protanopia

55, 39.817, 285.784

Deuteranopia

55, 36.010, 282.260



Tritanopia
55, 8.766, 245.324

Trichromacy



Original Color
55, 40.306, 296.586

Protanomaly
55, 40.239, 289.655

Deuteranomaly
55, 37.422, 287.932

Tritanomaly
55, 19.150, 283.010

Monochromacy



Original Color
55, 40.306, 296.586

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 14.385, 293.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 40.306, 296.586 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(128, 124, 194)` looks like.

```
.text, #text, p{  
    color:rgb(128, 124, 194)  
}
```

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(128, 124, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 124, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 40.306, 296.586 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(128, 124, 194) }
```

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

```
.border{ border-color:rgb(128, 124, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 124, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 124, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 124, 194);  
box-shadow:4px 4px 4px 4px rgb(128, 124,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 40.306, 296.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 124, 194) }
```

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

```
.background{ background-color: rgb(128,  
124, 194) }
```

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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