

Converting Colors

CIELCh(57, 34.199, 273.984)

Have a look what the booklet for
CIELCh(57, 34.199, 273.984)
contains.

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Color

CIELCh(57, 34.416, 274.489)

Conversions

Conversions Part 1

Format	Color
Hex	638AC4
RGB	99, 138, 196
RGB Percent	39%, 54%, 77%
CMY	0.6106, 0.4578, 0.2302
CMYK	0.49, 0.30, 0.00, 0.23
HSL	216°, 45%, 58%
HSV	216°, 49%, 77%
XYZ	24.3018, 24.9227, 55.9286
YIQ	132.9510, -41.8620, 9.7700

Conversions

Conversions Part 2

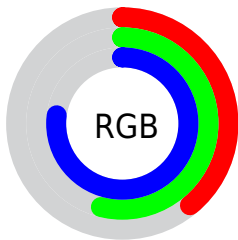
Format	Color
R _Y B	99, 127, 196
Decimal	6523588
CIE Lab	57.00, 2.69, -34.31
CIE LCh	57, 34.416, 274.489
Yxy	24.9227, 0.2311, 0.2370
Android (android.graphics.Color)	4284713668 (0xFF638AC4)
YUV	132.9510, 31.0832, -29.7750
Hunter-Lab	49.9226, -0.4725, -31.4771

Details

The CIELCh color **57, 34.416, 274.489** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **67, 36.388, 78.650**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 34.616, 274.510**, and **37, 34.695, 274.825** is the 20% darker color. If you saturate the color by 10%, you get **53, 41.521, 277.385**, and if you desaturate by 10%, it is **61, 27.374, 271.997**.

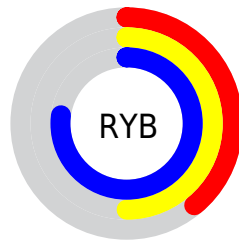
Distribution



Red (39%)

Green (54%)

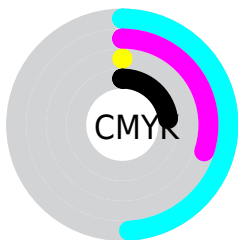
Blue (77%)



Red (39%)

Yellow (50%)

Blue (77%)

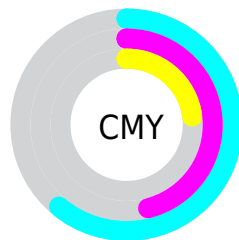


Cyan (49%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (61%)

Magenta (46%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 34.416, 274.489 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 57, 34.416, 274.489 by changing the saturation by 10% instead.

■ 57, 34.416,
274.489

■ 57, 34.416,
274.489

■ 100, 34.416,
274.489

■ 47, 34.416,
274.489

■ 77, 34.416,
274.489

■ 37, 34.416,
274.489

■ 87, 34.416,
274.489

■ 27, 34.416,
274.489

■ 97, 34.416,
274.489

■ 17, 34.416,
274.489

■ 7, 34.416, 274.489

■ 0, 34.416, 274.489

■ 57, 34.416,
274.489

■ 57, 34.416,
274.489

■ 53, 41.521,
277.385

■ 61, 27.374,
271.997

■ 48, 48.732,
280.695

■ 66, 20.375,
269.872

■ 44, 56.099,
284.378

■ 70, 13.412,
268.066

■ 41, 63.658,
288.319

■ 75, 6.487, 266.543

■ 80, 0.393, 84.444

■ 37, 71.392,
292.249

■ 84, 7.217, 83.996

■ 37, 71.850,
292.462

■ 89, 13.978, 83.028

■ 93, 20.435, 83.456

■ 96, 24.605, 98.427

Harmonies

Complementary

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



57, 34.416, 274.489



67, 36.388, 78.650

Rectangle

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



57, 34.416, 274.489



57, 34.416, 324.489



57, 34.416, 94.489



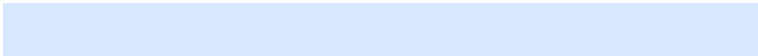
57, 34.416, 144.489

Sweetspot

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



57, 34.415, 274.489



92, 12.800, 267.396



73, 39.884, 163.085



48, 8.738, 267.733



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 34.415, 274.489



67, 50.999, 277.542



47, 57.262, 299.454



39, 3.865, 266.536



30, 60.964, 291.840



4, 14.173, 276.315

Inverse Universe

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



55, 43.209, 355.271



65, 62.772, 357.348



77, 50.138, 109.415



38, 4.781, 350.091



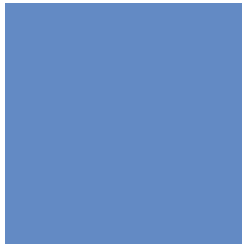
34, 59.954, 10.882



3, 15.110, 358.057

Previews

White Background



This preview shows how the CIELCh color 57, 34.416, 274.489 looks on a white background.

Color Contrast Check

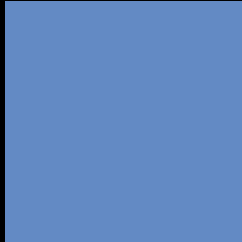
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 34.416, 274.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

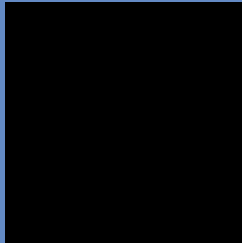
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

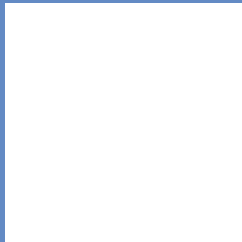
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 34.416, 274.489

Background



This preview shows how black text looks on a background with the CIELCh color 57, 34.416, 274.489.

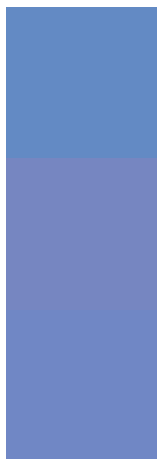


This preview shows how white text looks on a background with the CIELCh color 57, 34.416, 274.489.

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

57, 34.416, 274.489

Protanopia

57, 33.852, 285.521

Deuteranopia

57, 35.745, 282.943



Tritanopia
57, 20.067, 216.137

Trichromacy



Original Color
57, 34.416, 274.489

Protanomaly
57, 33.614, 280.780

Deuteranomaly
57, 35.454, 279.965

Tritanomaly
57, 22.295, 244.538

Monochromacy



Original Color
57, 34.416, 274.489

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 12.888, 268.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 34.416, 274.489 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(99, 138, 196)` looks like.

```
.text, #text, p{  
    color:rgb(99, 138, 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(99, 138, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 138, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 34.416, 274.489 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(99, 138, 196) }
```

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

```
.border{ border-color:rgb(99, 138, 196) }
```

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

Here you see how a box with a 4 pixel rgb(99, 138, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 138, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 138, 196);  
box-shadow:4px 4px 4px 4px rgb(99, 138,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 34.416, 274.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 138, 196) }
```

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

```
.background{ background-color: rgb(99, 138,  
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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