

Converting Colors

CIELCh(57, 36.635, 286.605)

Have a look what the booklet for
CIELCh(57, 36.635, 286.605)
contains.

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Color

CIELCh(57, 36.635, 286.605)

Conversions

Conversions Part 1

Format	Color
Hex	7686C6
RGB	118, 134, 198
RGB Percent	46%, 53%, 78%
CMY	0.5378, 0.4751, 0.2241
CMYK	0.40, 0.32, 0.00, 0.22
HSL	228°, 41%, 62%
HSV	228°, 40%, 78%
XYZ	26.1323, 24.9227, 56.7674
YIQ	136.5120, -30.0800, 16.5120

Conversions

Conversions Part 2

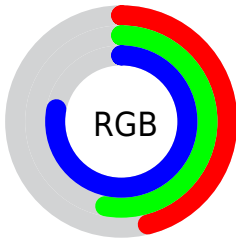
Format	Color
RYB	118, 131, 198
Decimal	7767750
CIELab	57.00, 10.47, -35.11
CIELCh	57, 36.635, 286.605
Yxy	24.9227, 0.2424, 0.2311
Android (android.graphics.Color)	4285957830 (0xFF7686C6)
YUV	136.5120, 30.3136, -16.2350
Hunter-Lab	49.9226, 6.0723, -32.4733

Details

The CIELCh color $57, 36.635, 286.605$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $74, 34.793, 95.640$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 36.636, 286.700$, and $37, 36.545, 286.551$ is the 20% darker color. If you saturate the color by 10%, you get $51, 46.460, 288.822$, and if you desaturate by 10%, it is $63, 27.140, 284.694$.

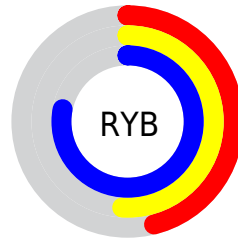
Distribution



Red (46%)

Green (53%)

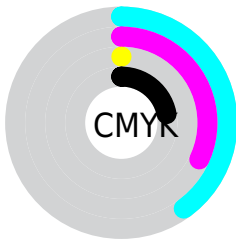
Blue (78%)



Red (46%)

Yellow (51%)

Blue (78%)

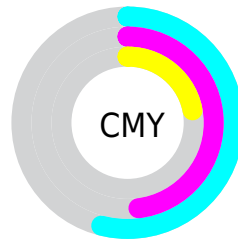


Cyan (40%)

Magenta (32%)

Yellow (0%)

Black (22%)



Cyan (54%)

Magenta (48%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 36.635, 286.605 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, 36.635, 286.605 by changing the saturation by 10% instead.

■ 57, 36.635,
286.605

■ 57, 36.635,
286.605

■ 100, 36.635,
286.605

■ 47, 36.635,
286.605

■ 77, 36.635,
286.605

■ 37, 36.635,
286.605

■ 87, 36.635,
286.605

■ 27, 36.635,
286.605

■ 97, 36.635,
286.605

■ 17, 36.635,
286.605

■ 7, 36.635, 286.605

■ 0, 36.635, 286.605

■ 57, 36.635,
286.605

■ 57, 36.635,
286.605

■ 51, 46.460,
288.822

■ 63, 27.140,
284.694

■ 46, 56.636,
291.353

■ 68, 17.949,
283.058

■ 41, 67.132,
294.162

■ 74, 9.035, 281.664

■ 36, 77.779,
297.140

■ 80, 0.377, 280.858

■ 85, 8.041, 99.389

■ 32, 88.138,
300.083

■ 91, 16.233, 98.502

■ 28, 97.064,
302.558

■ 96, 24.120, 98.930

■ 99, 28.807,
107.989

Harmonies

Complementary

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



57, 36.635, 286.605



74, 34.793, 95.640

Rectangle

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



57, 36.635, 286.605



57, 36.635, 336.605



57, 36.635, 106.605



57, 36.635, 156.605

Sweetspot

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



57, 36.634, 286.605



92, 12.802, 281.891



74, 28.641, 178.043



48, 8.507, 282.068



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, 36.634, 286.605



66, 55.402, 288.658



55, 46.697, 304.187



39, 4.926, 281.531



23, 83.128, 302.191



3, 18.538, 285.993

Inverse Universe

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



59, 33.633, 8.246



69, 50.626, 10.095



77, 42.818, 118.793



39, 4.423, 4.049



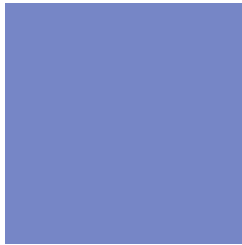
34, 66.227, 28.886



3, 16.182, 9.151

Previews

White Background



This preview shows how the CIELCh color 57, 36.635, 286.605 looks on a white background.

Color Contrast Check

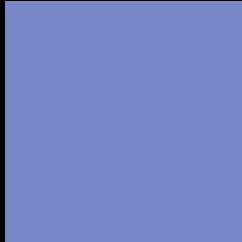
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 36.635, 286.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

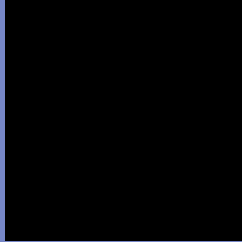
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 36.635, 286.605

Background



This preview shows how black text looks on a background with the CIELCh color 57, 36.635, 286.605.



This preview shows how white text looks on a background with the CIELCh color 57, 36.635, 286.605.

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, 36.635, 286.605

Protanopia

57, 36.699, 285.708

Deuteranopia

57, 36.294, 283.215



Tritanopia
57, 13.872, 225.429

Trichromacy



Original Color
57, 36.635, 286.605

Protanomaly
57, 36.666, 286.155

Deuteranomaly
57, 36.211, 284.095

Tritanomaly
57, 19.307, 261.934

Monochromacy



Original Color
57, 36.635, 286.605

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 13.274, 282.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 36.635, 286.605 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, 134, 198)` looks like.

```
.text, #text, p{  
    color:rgb(118, 134, 198)  
}
```

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, 134, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 134, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 36.635, 286.605 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, 134, 198) }
```

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

```
.border{ border-color:rgb(118, 134, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 134, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 134, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 134, 198);  
box-shadow:4px 4px 4px 4px rgb(118, 134,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 36.635, 286.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 134, 198) }
```

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

```
.background{ background-color: rgb(118,  
134, 198) }
```

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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