

Converting Colors

CIELCh(30, 107.489, 310.115)

Have a look what the booklet for
CIELCh(30, 107.489, 310.115)
contains.

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Color

CIELCh(30, 107.434, 310.098)

Conversions

Conversions Part 1

Format	Color
Hex	5500CC
RGB	85, 0, 204
RGB Percent	33%, 0%, 80%
CMY	0.6684, 1.0000, 0.2015
CMYK	0.58, 1.00, 0.00, 0.20
HSL	265°, 100%, 40%
HSV	265°, 100%, 80%
XYZ	14.5503, 6.2359, 57.3215
YIQ	48.6710, -14.8240, 81.4640

Conversions

Conversions Part 2

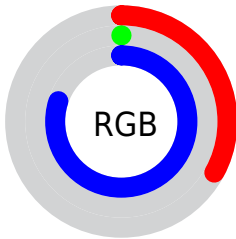
Format	Color
RYB	85, 0, 204
Decimal	5570764
CIELab	30.00, 69.20, -82.18
CIELCh	30, 107.434, 310.098
Yxy	6.2359, 0.1863, 0.0798
Android (android.graphics.Color)	4283760844 (0xFF5500CC)
YUV	48.6710, 76.5772, 31.8605
Hunter-Lab	24.9718, 60.3059, -118.6170

Details

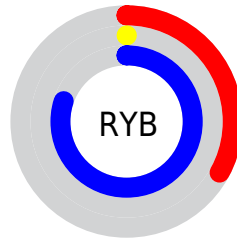
The CIELCh color **30, 107.434, 310.098** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **74, 89.620, 125.068**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 103.801, 310.394**, and **16, 89.195, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 107.312, 310.073**, and if you desaturate by 10%, it is **33, 102.258, 310.474**.

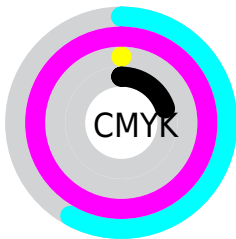
Distribution



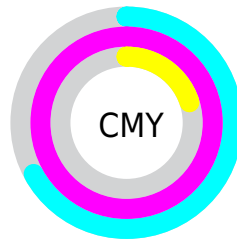
- Red (33%)
- Green (0%)
- Blue (80%)



- Red (33%)
- Yellow (0%)
- Blue (80%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (67%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 107.434, 310.098 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 30, 107.434, 310.098 by changing the saturation by 10% instead.


 30, 107.434,
310.098


 30, 107.434,
310.098


 100, 107.434,
310.098


 20, 107.434,
310.098


 50, 107.434,
310.098


 10, 107.434,
310.098

 60, 107.434,
310.098

 0, 107.434,
310.098

 70, 107.434,
310.098

 80, 107.434,
310.098

 90, 107.434,
310.098

■ 30, 107.434,
310.098

■ 30, 107.434,
310.098

■ 30, 107.312,
310.073

■ 33, 102.258,
310.474

■ 36, 94.468,
310.506

■ 41, 84.263,
310.185

■ 46, 72.614,
309.651

■ 52, 60.286,
309.015

■ 57, 47.778,
308.351

■ 63, 35.379,
307.703

■ 70, 23.242,

307.097

■ 76, 11.443,
306.541

Harmonies

Complementary

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



30, 107.434, 310.098



74, 89.620, 125.068

Rectangle

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



30, 107.434, 310.098



30, 107.434, 0.098



30, 107.434, 130.098



30, 107.434, 180.098

Sweetspot

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



30, 107.312, 310.073



78, 42.491, 307.728



50, 49.995, 272.709



38, 29.156, 308.002



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 107.312, 310.073



38, 127.343, 309.932



45, 98.205, 324.331



40, 6.495, 306.509



24, 91.934, 310.232



2, 24.197, 303.650

Inverse Universe

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



44, 73.206, 354.463



56, 86.548, 354.949



72, 100.507, 135.590



40, 5.630, 340.030



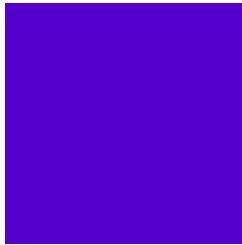
36, 62.981, 353.930



4, 20.908, 348.127

Previews

White Background



This preview shows how the CIELCh color 30, 107.434, 310.098 looks on a white background.

Color Contrast Check

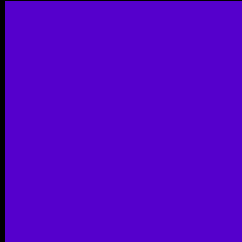
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 107.434, 310.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

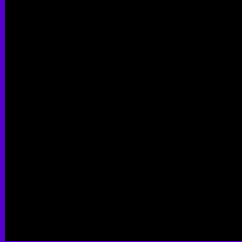
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 107.434, 310.098

Background



This preview shows how black text looks on a background with the CIELCh color 30, 107.434, 310.098.



This preview shows how white text looks on a background with the CIELCh color 30, 107.434, 310.098.

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

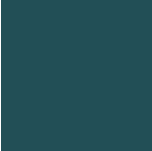
30, 107.434, 310.098

Protanopia

31, 49.889, 285.784

Deuteranopia

31, 34.379, 271.208



Tritanopia
31, 15.772, 213.975

Trichromacy



Original Color
30, 107.434, 310.098

Protanomaly
27, 77.734, 301.035

Deuteranomaly
26, 67.939, 299.154

Tritanomaly
26, 51.306, 299.889

Monochromacy



Original Color
30, 107.434, 310.098

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 49.534, 309.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 107.434, 310.098 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(85, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(85, 0, 204)  
}
```

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(85, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 0, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 107.434, 310.098 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(85, 0, 204) }
```

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

```
.border{ border-color:rgb(85, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(85, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(85, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 107.434, 310.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 0, 204) }
```

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

```
.background{ background-color: rgb(85, 0,  
204) }
```

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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