

Converting Colors

CIELCh(31, 110.848, 309.770)

Have a look what the booklet for
CIELCh(31, 110.848, 309.770)
contains.

CIELCh(31, 110.965, 309.786)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(31, 110.965, 309.786)

Conversions

Conversions Part 1

Format	Color
Hex	5500D4
RGB	85, 0, 212
RGB Percent	33%, 0%, 83%
CMY	0.6677, 1.0000, 0.1695
CMYK	0.60, 1.00, 0.00, 0.17
HSL	264°, 100%, 42%
HSV	264°, 100%, 83%
XYZ	15.5723, 6.6515, 62.6010
YIQ	49.5830, -17.3920, 83.9520

Conversions

Conversions Part 2

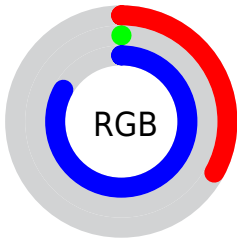
Format	Color
RYB	85, 0, 212
Decimal	5570772
CIELab	31.00, 71.01, -85.27
CIELCh	31, 110.965, 309.786
Yxy	6.6515, 0.1836, 0.0784
Android (android.graphics.Color)	4283760852 (0xFF5500D4)
YUV	49.5830, 80.0716, 31.0607
Hunter-Lab	25.7905, 62.6451, -125.8607

Details

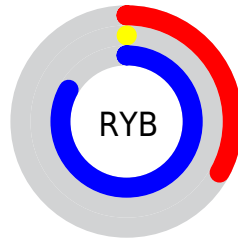
The CIELCh color **31, 110.965, 309.786** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **77, 91.863, 124.499**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 103.248, 310.574**, and **17, 92.701, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 110.894, 309.772**, and if you desaturate by 10%, it is **34, 105.729, 310.162**.

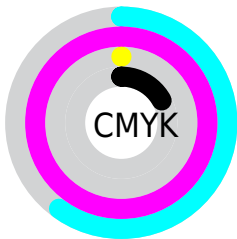
Distribution



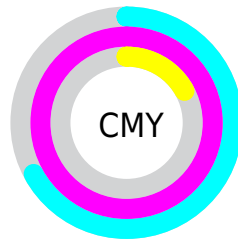
- Red (33%)
- Green (0%)
- Blue (83%)



- Red (33%)
- Yellow (0%)
- Blue (83%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (67%)
- Magenta (100%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 110.965, 309.786 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 31, 110.965, 309.786 by changing the saturation by 10% instead.


 31, 110.965,
309.786


 31, 110.965,
309.786


 100, 110.965,
309.786


 21, 110.965,
309.786


 51, 110.965,
309.786


 11, 110.965,
309.786


 61, 110.965,
309.786

 1, 110.965,
309.786

 71, 110.965,
309.786

 0, 110.965,
309.786

 81, 110.965,
309.786

 91, 110.965,
309.786

■ 31, 110.965,
309.786

■ 31, 110.965,
309.786

■ 31, 110.894,
309.772

■ 34, 105.729,
310.162

■ 37, 97.648,
310.164

■ 42, 87.049,
309.808

■ 47, 74.963,
309.238

■ 53, 62.194,
308.568

■ 59, 49.262,
307.874

■ 66, 36.459,
307.202

■ 72, 23.943,

306.576

■ 78, 11.784,
306.005

Harmonies

Complementary

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



31, 110.965, 309.786



77, 91.863, 124.499

Rectangle

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



31, 110.965, 309.786



31, 110.965, 359.786



31, 110.965, 129.786



31, 110.965, 179.786

Sweetspot

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



31, 110.894, 309.772



78, 42.409, 307.223



52, 51.594, 272.846



38, 29.105, 307.505



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



31, 110.894, 309.772



38, 127.740, 309.660



47, 101.141, 324.321



42, 6.744, 305.974



24, 94.331, 309.930



3, 28.430, 304.725

Inverse Universe

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



46, 75.840, 353.221



56, 87.088, 353.594



74, 103.529, 135.603



42, 5.923, 339.311



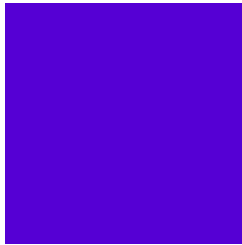
37, 64.797, 352.710



5, 24.784, 347.355

Previews

White Background



This preview shows how the CIELCh color 31, 110.965, 309.786 looks on a white background.

Color Contrast Check

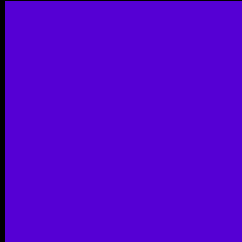
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 110.965, 309.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

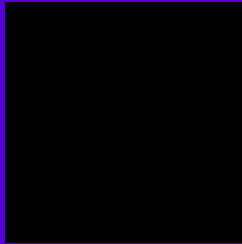
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 110.965, 309.786

Background



This preview shows how black text looks on a background with the CIELCh color 31, 110.965, 309.786.



This preview shows how white text looks on a background with the CIELCh color 31, 110.965, 309.786.

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

31, 110.965, 309.786

Protanopia

32, 50.921, 285.828

Deuteranopia

32, 34.918, 271.109



Tritanopia
32, 18.282, 211.287

Trichromacy



Original Color
31, 110.965, 309.786

Protanomaly
28, 80.397, 301.155

Deuteranomaly
27, 70.139, 299.286

Tritanomaly
26, 53.047, 298.241

Monochromacy



Original Color
31, 110.965, 309.786

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 51.257, 309.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 110.965, 309.786 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(85, 0, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 0, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 110.965, 309.786 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, 212) }
```

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

```
.border{ border-color:rgb(85, 0, 212) }
```

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, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(85, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 110.965, 309.786 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, 212) }
```

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

```
.background{ background-color: rgb(85, 0,  
212) }
```

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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