

Converting Colors

CIELCh(31, 109.824, 309.737)

Have a look what the booklet for
CIELCh(31, 109.824, 309.737)
contains.

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Color

CIELCh(31, 109.587, 309.757)

Conversions

Conversions Part 1

Format	Color
Hex	5503D2
RGB	85, 3, 210
RGB Percent	33%, 1%, 82%
CMY	0.6666, 0.9882, 0.1764
CMYK	0.60, 0.99, 0.00, 0.18
HSL	264°, 97%, 42%
HSV	264°, 99%, 82%
XYZ	15.4150, 6.6515, 61.4524
YIQ	51.1160, -17.5750, 81.7610

Conversions

Conversions Part 2

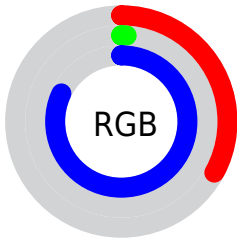
Format	Color
RYB	85, 3, 210
Decimal	5571538
CIELab	31.00, 70.08, -84.25
CIElCh	31, 109.587, 309.757
Yxy	6.6515, 0.1846, 0.0796
Android (android.graphics.Color)	4283761618 (0xFF5503D2)
YUV	51.1160, 78.3298, 29.7163
Hunter-Lab	25.7905, 61.5563, -123.2201

Details

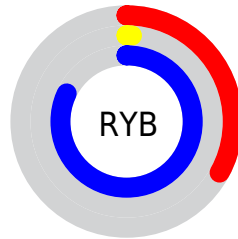
The CIELCh color **31, 109.587, 309.757** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **76, 90.722, 124.173**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 102.806, 310.341**, and **17, 91.827, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 110.283, 309.708**, and if you desaturate by 10%, it is **34, 104.142, 310.110**.

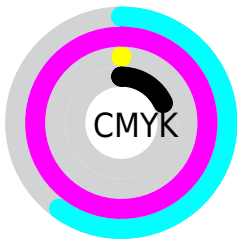
Distribution



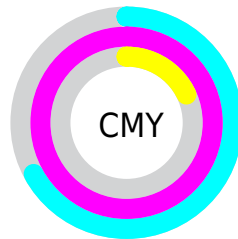
- Red (33%)
- Green (1%)
- Blue (82%)



- Red (33%)
- Yellow (1%)
- Blue (82%)



- Cyan (60%)
- Magenta (99%)
- Yellow (0%)
- Black (18%)





- Cyan (67%)
- Magenta (99%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 109.587, 309.757 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, 109.587, 309.757 by changing the saturation by 10% instead.


 31, 109.587,
309.757


 31, 109.587,
309.757


 100, 109.587,
309.757


 21, 109.587,
309.757


 51, 109.587,
309.757


 11, 109.587,
309.757


 61, 109.587,
309.757

 1, 109.587,
309.757

 71, 109.587,
309.757

 0, 109.587,
309.757

 81, 109.587,
309.757

 91, 109.587,
309.757

■ 31, 109.587,
309.757

■ 31, 109.587,
309.757

■ 31, 110.283,
309.708

■ 34, 104.142,
310.110

■ 38, 95.655,
310.040

■ 42, 84.823,
309.633

■ 48, 72.657,
309.032

■ 54, 59.914,
308.346

■ 60, 47.070,
307.647

■ 66, 34.389,
306.975

■ 72, 22.010,

306.353

■ 79, 9.994, 305.786

Harmonies

Complementary

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



31, 109.587, 309.757



76, 90.722, 124.173

Rectangle

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



31, 109.587, 309.757



31, 109.587, 359.757



31, 109.587, 129.757



31, 109.587, 179.757

Sweetspot

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



31, 109.588, 309.758



78, 42.389, 307.091



53, 48.968, 269.759



38, 29.093, 307.376



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, 109.588, 309.758



38, 127.842, 309.591



46, 100.362, 323.732



41, 6.607, 305.832



24, 93.350, 309.872



2, 26.264, 303.764

Inverse Universe

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



46, 75.427, 352.440



56, 87.238, 353.243



74, 102.351, 135.502



41, 5.823, 339.122



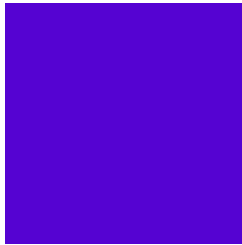
37, 64.209, 352.335



5, 23.098, 347.033

Previews

White Background



This preview shows how the CIE LCh color 31, 109.587, 309.757 looks on a white background.

Color Contrast Check

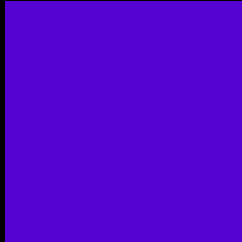
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 31, 109.587, 309.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

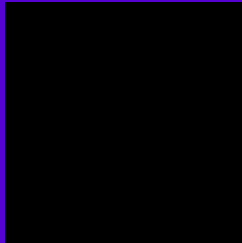
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 109.587, 309.757

Background



This preview shows how black text looks on a background with the CIELCh color 31, 109.587, 309.757.



This preview shows how white text looks on a background with the CIELCh color 31, 109.587, 309.757.

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, 109.587, 309.757

Protanopia

32, 50.338, 285.514

Deuteranopia

32, 34.918, 271.109



Tritanopia
32, 17.736, 209.633

Trichromacy



Original Color
31, 109.587, 309.757

Protanomaly
28, 78.688, 300.794

Deuteranomaly
27, 68.908, 298.889

Tritanomaly
26, 51.101, 298.091

Monochromacy



Original Color
31, 109.587, 309.757

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 49.931, 309.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 109.587, 309.757 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, 3, 210)` looks like.

```
.text, #text, p{  
    color:rgb(85, 3, 210)  
}
```

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, 3, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 3, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 109.587, 309.757 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, 3, 210) }
```

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

```
.border{ border-color:rgb(85, 3, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 3, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 3, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 3, 210);  
box-shadow:4px 4px 4px 4px rgb(85, 3, 210)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 109.587, 309.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 3, 210) }
```

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

```
.background{ background-color: rgb(85, 3,  
210) }
```

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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