

Converting Colors

CIELCh(28, 115.046, 312.605)

Have a look what the booklet for
CIELCh(28, 115.046, 312.605)
contains.

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Color

CIELCh(31, 105.772, 310.864)

Conversions

Conversions Part 1

Format	Color
Hex	5D01CB
RGB	93, 1, 203
RGB Percent	36%, 0%, 80%
CMY	0.6358, 0.9943, 0.2049
CMYK	0.54, 0.99, 0.00, 0.20
HSL	267°, 99%, 40%
HSV	267°, 99%, 80%
XYZ	15.2660, 6.6515, 56.8276
YIQ	51.5360, -10.0100, 82.3260

Conversions

Conversions Part 2

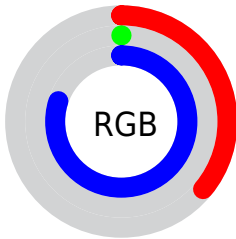
Format	Color
RYB	93, 1, 203
Decimal	6095307
CIELab	31.00, 69.20, -79.99
CIELCh	31, 105.772, 310.864
Yxy	6.6515, 0.1939, 0.0845
Android (android.graphics.Color)	4284285387 (0xFF5D01CB)
YUV	51.5360, 74.6718, 36.3639
Hunter-Lab	25.7905, 60.5249, -112.5880

Details

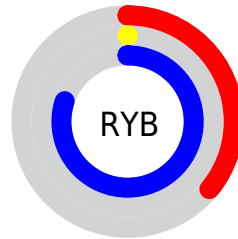
The CIELCh color **31, 105.772, 310.864** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **74, 90.270, 126.473**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 103.063, 311.272**, and **16, 88.677, 306.340** is the 20% darker color. If you saturate the color by 10%, you get **31, 106.102, 310.834**, and if you desaturate by 10%, it is **34, 100.811, 311.330**.

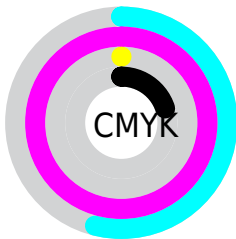
Distribution



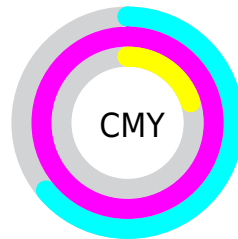
- Red (36%)
- Green (0%)
- Blue (80%)



- Red (36%)
- Yellow (0%)
- Blue (80%)



- Cyan (54%)
- Magenta (99%)
- Yellow (0%)
- Black (20%)





- Cyan (64%)
- Magenta (99%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 105.772, 310.864 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, 105.772, 310.864 by changing the saturation by 10% instead.


 31, 105.772,
310.864


 31, 105.772,
310.864


 100, 105.772,
310.864


 21, 105.772,
310.864


 51, 105.772,
310.864


 11, 105.772,
310.864


 61, 105.772,
310.864

 1, 105.772,
310.864

 71, 105.772,
310.864

 0, 105.772,
310.864

 81, 105.772,
310.864

 91, 105.772,
310.864

■ 31, 105.772,
310.864

■ 31, 105.772,
310.864

■ 31, 106.102,
310.834

■ 34, 100.811,
311.330

■ 37, 93.098,
311.418

■ 42, 83.041,
311.171

■ 47, 71.545,
310.715

■ 52, 59.342,
310.152

■ 58, 46.918,
309.551

■ 64, 34.568,
308.958

■ 70, 22.451,

308.395

■ 76, 10.651,
307.874

Harmonies

Complementary

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



31, 105.772, 310.864



74, 90.270, 126.473

Rectangle

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



31, 105.772, 310.864



31, 105.772, 0.864



31, 105.772, 130.864



31, 105.772, 180.864

Sweetspot

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



31, 105.773, 310.865



78, 42.715, 309.023



47, 54.840, 278.713



38, 29.295, 309.275



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, 105.773, 310.865



39, 126.304, 310.685



46, 97.349, 326.266



40, 6.541, 307.879



24, 91.195, 310.994



2, 24.341, 304.979

Inverse Universe

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



44, 71.934, 357.722



55, 85.427, 358.538



71, 100.358, 135.857



40, 5.480, 341.963



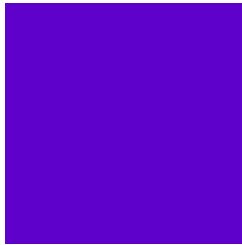
36, 62.108, 357.376



4, 20.419, 350.627

Previews

White Background



This preview shows how the CIELCh color 31, 105.772, 310.864 looks on a white background.

Color Contrast Check

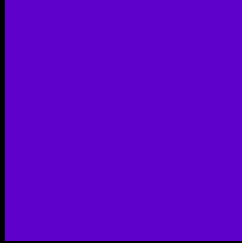
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.772, 310.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

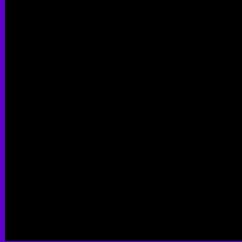
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 105.772, 310.864

Background



This preview shows how black text looks on a background with the CIELCh color 31, 105.772, 310.864.



This preview shows how white text looks on a background with the CIELCh color 31, 105.772, 310.864.

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, 105.941, 310.882

Protanopia

32, 50.921, 285.828

Deuteranopia

32, 35.450, 271.780



Tritanopia
32, 10.182, 220.264

Trichromacy



Original Color
31, 105.941, 310.882

Protanomaly
27, 78.130, 301.139

Deuteranomaly
27, 67.691, 299.007

Tritanomaly
27, 49.799, 304.252

Monochromacy



Original Color
31, 105.941, 310.882

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 48.717, 310.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 105.772, 310.864 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(93, 1, 203)` looks like.

```
.text, #text, p{  
    color:rgb(93, 1, 203)  
}
```

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(93, 1, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 1, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 105.772, 310.864 is called "border". The border property can be set on classes, ids or directly on the HTML element.

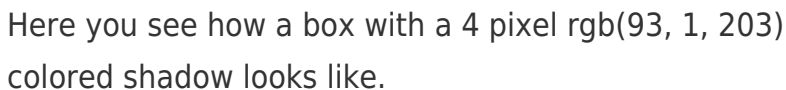
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 1, 203) }
```

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

```
.border{ border-color:rgb(93, 1, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 1, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 1, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 1, 203);  
box-shadow:4px 4px 4px 4px rgb(93, 1, 203)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 105.772, 310.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 1, 203) }
```

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

```
.background{ background-color: rgb(93, 1,  
203) }
```

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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