

Converting Colors

CIELCh(31, 106.517, 310.898)

Have a look what the booklet for
CIELCh(31, 106.517, 310.898)
contains.

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Color

CIELCh(31, 106.553, 310.866)

Conversions

Conversions Part 1

Format	Color
Hex	5D00CC
RGB	93, 0, 204
RGB Percent	36%, 0%, 80%
CMY	0.6363, 1.0000, 0.2009
CMYK	0.54, 1.00, 0.00, 0.20
HSL	267°, 100%, 40%
HSV	267°, 100%, 80%
XYZ	15.3527, 6.6515, 57.4526
YIQ	51.0630, -10.0560, 83.1600

Conversions

Conversions Part 2

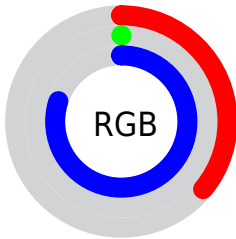
Format	Color
R _Y B	93, 0, 204
Decimal	6095052
CIE Lab	31.00, 69.72, -80.58
CIE LCh	31, 106.553, 310.866
Yxy	6.6515, 0.1932, 0.0837
Android (android.graphics.Color)	4284285132 (0xFF5D00CC)
YUV	51.0630, 75.3979, 36.7787
Hunter-Lab	25.7905, 61.1252, -114.0249

Details

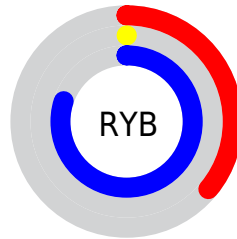
The CIELCh color **31, 106.553, 310.866** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **74, 90.873, 126.590**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 103.063, 311.272**, and **16, 89.156, 306.313** is the 20% darker color. If you saturate the color by 10%, you get **31, 106.477, 310.851**, and if you desaturate by 10%, it is **34, 101.625, 311.330**.

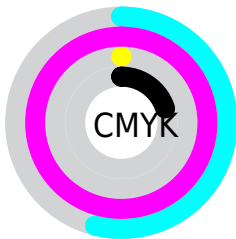
Distribution



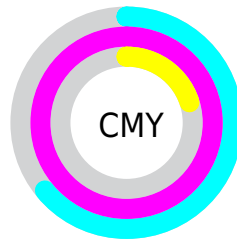
- Red (36%)
- Green (0%)
- Blue (80%)



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



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (64%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 106.553, 310.866 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, 106.553, 310.866 by changing the saturation by 10% instead.


 31, 106.553,
310.866


 31, 106.553,
310.866


 100, 106.553,
310.866


 21, 106.553,
310.866


 51, 106.553,
310.866


 11, 106.553,
310.866


 61, 106.553,
310.866

 1, 106.553,
310.866

 71, 106.553,
310.866

 0, 106.553,
310.866

 81, 106.553,
310.866

 91, 106.553,
310.866

■ 31, 106.553,
310.866

■ 31, 106.553,
310.866

■ 31, 106.477,
310.851

■ 34, 101.625,
311.330

■ 37, 94.099,
311.450

■ 41, 84.150,
311.225

■ 46, 72.691,
310.783

■ 52, 60.474,
310.226

■ 58, 48.006,
309.628

■ 64, 35.593,
309.034

■ 70, 23.406,

308.469

■ 76, 11.532,
307.946

Harmonies

Complementary

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



31, 106.553, 310.866



74, 90.873, 126.590

Rectangle

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



31, 106.553, 310.866



31, 106.553, 0.866



31, 106.553, 130.866



31, 106.553, 180.866

Sweetspot

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



31, 106.477, 310.851



78, 42.721, 309.057



47, 55.439, 279.052



39, 29.299, 309.309



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, 106.477, 310.851



39, 126.276, 310.706



47, 97.854, 326.259



40, 6.542, 307.916



25, 91.175, 311.015



2, 24.345, 305.015

Inverse Universe

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



44, 72.243, 358.081



55, 85.403, 358.635



72, 100.896, 135.833



40, 5.476, 342.016



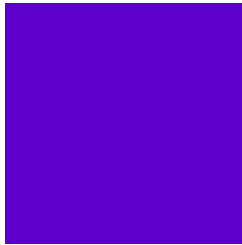
36, 62.088, 357.470



4, 20.407, 350.693

Previews

White Background



This preview shows how the CIELCh color 31, 106.553, 310.866 looks on a white background.

Color Contrast Check

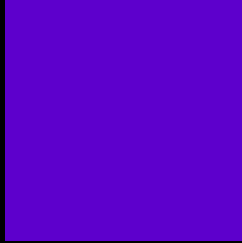
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.553, 310.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

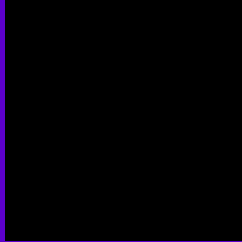
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 106.553, 310.866

Background



This preview shows how black text looks on a background with the CIELCh color 31, 106.553, 310.866.



This preview shows how white text looks on a background with the CIELCh color 31, 106.553, 310.866.

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

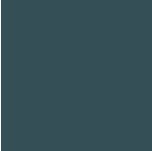
31, 106.553, 310.866

Protanopia

32, 50.272, 285.223

Deuteranopia

32, 35.450, 271.780



Tritanopia
32, 10.660, 222.942

Trichromacy



Original Color
31, 106.553, 310.866

Protanomaly
27, 78.678, 301.198

Deuteranomaly
27, 68.927, 299.405

Tritanomaly
27, 51.083, 304.242

Monochromacy



Original Color
31, 106.553, 310.866

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 49.981, 311.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 106.553, 310.866 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, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(93, 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(93, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 106.553, 310.866 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, 0, 204) }
```

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

```
.border{ border-color:rgb(93, 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(93, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(93, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 106.553, 310.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 204) }
```

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

```
.background{ background-color: rgb(93, 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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