

Converting Colors

CIELCh(31, 104.378, 309.355)

Have a look what the booklet for
CIELCh(31, 104.378, 309.355)
contains.

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Color

CIELCh(31, 104.437, 309.339)

Conversions

Conversions Part 1

Format	Color
Hex	5411CC
RGB	84, 17, 204
RGB Percent	33%, 7%, 80%
CMY	0.6704, 0.9331, 0.1998
CMYK	0.59, 0.92, 0.00, 0.20
HSL	261°, 85%, 43%
HSV	261°, 92%, 80%
XYZ	14.7661, 6.6515, 57.6583
YIQ	58.3510, -20.0950, 72.3610

Conversions

Conversions Part 2

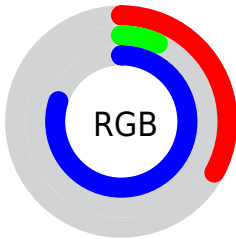
Format	Color
RYB	84, 17, 204
Decimal	5509580
CIELab	31.00, 66.20, -80.77
CIELCh	31, 104.437, 309.339
Yxy	6.6515, 0.1867, 0.0841
Android (android.graphics.Color)	4283699660 (0xFF5411CC)
YUV	58.3510, 71.8050, 22.4942
Hunter-Lab	25.7905, 57.0650, -114.4978

Details

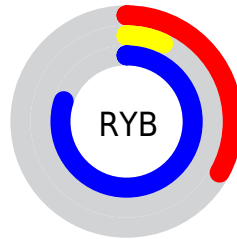
The CIELCh color **31, 104.437, 309.339** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **75, 85.535, 121.814**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 100.903, 309.662**, and **16, 89.195, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 108.708, 309.098**, and if you desaturate by 10%, it is **35, 96.780, 309.293**.

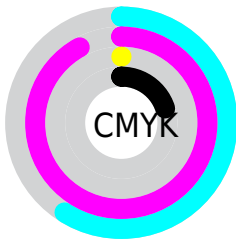
Distribution



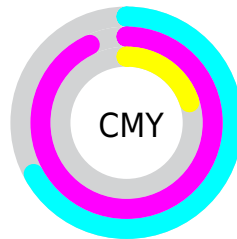
- Red (33%)
- Green (7%)
- Blue (80%)



- Red (33%)
- Yellow (7%)
- Blue (80%)



- Cyan (59%)
- Magenta (92%)
- Yellow (0%)
- Black (20%)





- Cyan (67%)
- Magenta (93%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 104.437, 309.339 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, 104.437, 309.339 by changing the saturation by 10% instead.


 31, 104.437,
309.339


 31, 104.437,
309.339


 100, 104.437,
309.339


 21, 104.437,
309.339


 51, 104.437,
309.339


 11, 104.437,
309.339


 61, 104.437,
309.339

 1, 104.437,
309.339

 71, 104.437,
309.339

 0, 104.437,
309.339

 81, 104.437,
309.339

 91, 104.437,
309.339

■ 31, 104.437,
309.339

■ 31, 104.437,
309.339

■ 29, 108.708,
309.098

■ 35, 96.780,
309.293

■ 39, 86.521,
308.859

■ 44, 74.740,
308.198

■ 50, 62.280,
307.437

■ 56, 49.672,
306.659

■ 62, 37.214,
305.914

■ 69, 25.053,
305.226

■ 75, 13.257,

304.604

■ 81, 1.847, 304.021

Harmonies

Complementary

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



31, 104.437, 309.339



75, 85.535, 121.814

Rectangle

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



31, 104.437, 309.339



31, 104.437, 359.339



31, 104.437, 129.339



31, 104.437, 179.339

Sweetspot

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



31, 104.438, 309.340



80, 37.800, 305.611



55, 42.701, 261.024



40, 25.608, 305.854



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, 104.438, 309.340



37, 128.799, 308.968



44, 96.803, 322.750



40, 6.434, 304.473



23, 92.979, 309.247



2, 24.025, 301.841

Inverse Universe

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



46, 74.816, 347.559



56, 88.861, 349.987



72, 97.570, 135.094



40, 5.860, 337.385



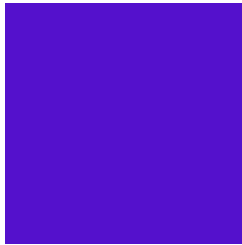
36, 64.709, 349.174



4, 21.741, 344.431

Previews

White Background



This preview shows how the CIELCh color 31, 104.437, 309.339 looks on a white background.

Color Contrast Check

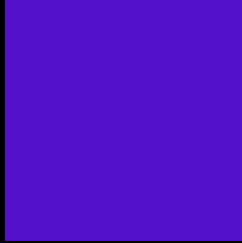
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.437, 309.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

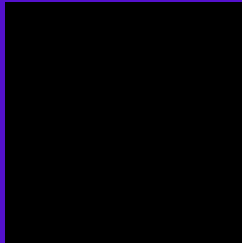
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 104.437, 309.339

Background



This preview shows how black text looks on a background with the CIELCh color 31, 104.437, 309.339.



This preview shows how white text looks on a background with the CIELCh color 31, 104.437, 309.339.

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, 104.437, 309.339

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 34.915, 271.499



Tritanopia
31, 16.243, 213.401

Trichromacy



Original Color
31, 104.437, 309.339

Protanomaly
28, 75.047, 299.614

Deuteranomaly
28, 64.395, 296.998

Tritanomaly
27, 47.041, 296.829

Monochromacy



Original Color
31, 104.437, 309.339

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 45.113, 307.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 104.437, 309.339 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(84, 17, 204)` looks like.

```
.text, #text, p{  
  color:rgb(84, 17, 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(84, 17, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 17, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 104.437, 309.339 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(84, 17, 204) }
```

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

```
.border{ border-color:rgb(84, 17, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 17, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 17, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 17, 204);  
box-shadow:4px 4px 4px 4px rgb(84, 17,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 104.437, 309.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 17, 204) }
```

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

```
.background{ background-color: rgb(84, 17,  
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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