

Converting Colors

CIELCh(31, 104.296, 311.464)

Have a look what the booklet for
CIELCh(31, 104.296, 311.464)
contains.

CIELCh(31, 104.430, 311.391)	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, 104.430, 311.391)

Conversions

Conversions Part 1

Format	Color
Hex	6000C8
RGB	96, 0, 200
RGB Percent	38%, 0%, 78%
CMY	0.6237, 1.0000, 0.2158
CMYK	0.52, 1.00, 0.00, 0.22
HSL	269°, 100%, 39%
HSV	269°, 100%, 78%
XYZ	15.2400, 6.6515, 55.1019
YIQ	51.5040, -6.9840, 82.5520

Conversions

Conversions Part 2

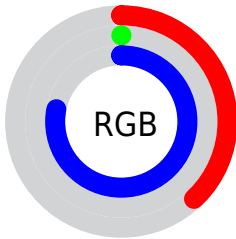
Format	Color
RYB	96, 0, 200
Decimal	6291656
CIELab	31.00, 69.05, -78.34
CIELCh	31, 104.430, 311.391
Yxy	6.6515, 0.1979, 0.0864
Android (android.graphics.Color)	4284481736 (0xFF6000C8)
YUV	51.5040, 73.2085, 39.0230
Hunter-Lab	25.7905, 60.3448, -108.6210

Details

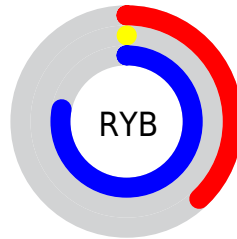
The CIELCh color **31, 104.430, 311.391** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **72, 90.323, 127.453**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 102.992, 311.556**, and **16, 86.715, 306.798** is the 20% darker color. If you saturate the color by 10%, you get **31, 104.418, 311.389**, and if you desaturate by 10%, it is **33, 99.717, 311.897**.

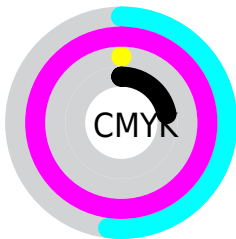
Distribution



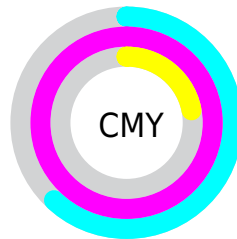
- Red (38%)
- Green (0%)
- Blue (78%)



- Red (38%)
- Yellow (0%)
- Blue (78%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (62%)
- Magenta (100%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 104.430, 311.391 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, 104.430, 311.391 by changing the saturation by 10% instead.


 31, 104.430,
311.391


 31, 104.430,
311.391


 100, 104.430,
311.391


 21, 104.430,
311.391


 51, 104.430,
311.391


 11, 104.430,
311.391


 61, 104.430,
311.391

 1, 104.430,
311.391

 71, 104.430,
311.391

 0, 104.430,
311.391

 81, 104.430,
311.391

 91, 104.430,
311.391

■ 31, 104.430,
311.391

■ 31, 104.430,
311.391

■ 31, 104.418,
311.389

■ 33, 99.717,
311.897

■ 37, 92.444,
312.061

■ 41, 82.791,
311.886

■ 46, 71.620,
311.493

■ 51, 59.657,
310.981

■ 57, 47.407,
310.420

■ 63, 35.178,
309.856

■ 69, 23.148,

309.315

■ 75, 11.411,
308.810

Harmonies

Complementary

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



31, 104.430, 311.391



72, 90.323, 127.453

Rectangle

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



31, 104.430, 311.391



31, 104.430, 1.391



31, 104.430, 131.391



31, 104.430, 181.391

Sweetspot

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



31, 104.418, 311.389



78, 42.875, 309.880



45, 56.504, 280.873



39, 29.394, 310.120



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, 104.418, 311.389



40, 125.600, 311.228



46, 96.384, 326.914



39, 6.437, 308.779



25, 89.655, 311.555



2, 22.289, 305.202

Inverse Universe

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



43, 70.799, 0.346



55, 84.905, 0.998



70, 99.565, 135.891



39, 5.273, 343.305



35, 60.984, 359.689



4, 18.061, 351.753

Previews

White Background



This preview shows how the CIELCh color 31, 104.430, 311.391 looks on a white background.

Color Contrast Check

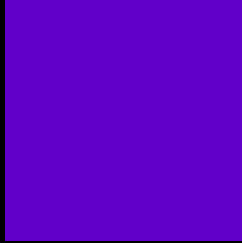
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.430, 311.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

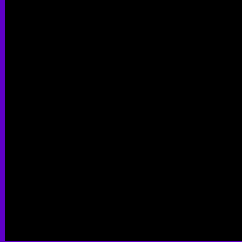
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 104.430, 311.391

Background



This preview shows how black text looks on a background with the CIELCh color 31, 104.430, 311.391.



This preview shows how white text looks on a background with the CIELCh color 31, 104.430, 311.391.

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

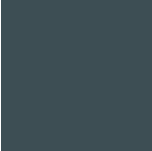
31, 104.430, 311.391

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 35.450, 271.780



Tritanopia
32, 7.638, 228.594

Trichromacy



Original Color
31, 104.430, 311.391

Protanomaly
27, 78.102, 301.219

Deuteranomaly
27, 67.755, 299.342

Tritanomaly
27, 49.278, 306.760

Monochromacy



Original Color
31, 104.430, 311.391

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 48.818, 311.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 104.430, 311.391 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(96, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 200)  
}
```

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(96, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 104.430, 311.391 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(96, 0, 200) }
```

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

```
.border{ border-color:rgb(96, 0, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(96, 0, 200)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 104.430, 311.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 200) }
```

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

```
.background{ background-color: rgb(96, 0,  
200) }
```

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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