

Converting Colors

CIELCh(31, 97.653, 309.811)

Have a look what the booklet for
CIELCh(31, 97.653, 309.811)
contains.

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Color

CIELCh(31, 97.412, 309.846)

Conversions

Conversions Part 1

Format	Color
Hex	5918C2
RGB	89, 24, 194
RGB Percent	35%, 9%, 76%
CMY	0.6516, 0.9065, 0.2398
CMYK	0.54, 0.88, 0.00, 0.24
HSL	263°, 78%, 43%
HSV	263°, 88%, 76%
XYZ	14.1504, 6.6515, 51.4964
YIQ	62.8150, -15.8300, 66.6500

Conversions

Conversions Part 2

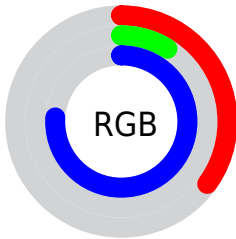
Format	Color
R _Y B	89, 24, 194
Decimal	5839042
CIE Lab	31.00, 62.41, -74.79
CIE LCh	31, 97.412, 309.846
Yxy	6.6515, 0.1957, 0.0920
Android (android.graphics.Color)	4284029122 (0xFF5918C2)
YUV	62.8150, 64.6742, 22.9642
Hunter-Lab	25.7905, 52.8038, -100.3321

Details

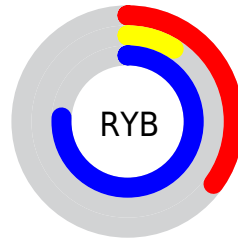
The CIELCh color **31, 97.412, 309.846** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **72, 81.232, 122.478**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 97.298, 309.822**, and **15, 85.167, 306.317** is the 20% darker color. If you saturate the color by 10%, you get **28, 102.969, 309.585**, and if you desaturate by 10%, it is **35, 89.035, 309.688**.

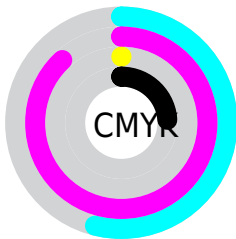
Distribution



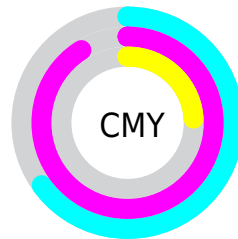
- Red (35%)
- Green (9%)
- Blue (76%)



- Red (35%)
- Yellow (9%)
- Blue (76%)



- Cyan (54%)
- Magenta (88%)
- Yellow (0%)
- Black (24%)





- Cyan (65%)
- Magenta (91%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 97.412, 309.846 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, 97.412, 309.846 by changing the saturation by 10% instead.


 31, 97.412,
309.846


 31, 97.412,
309.846

 100, 97.412,
309.846


 21, 97.412,
309.846

 51, 97.412,
309.846


 11, 97.412,
309.846


 61, 97.412,
309.846

 1, 97.412, 309.846

 71, 97.412,
309.846

 0, 97.412, 309.846

 81, 97.412,
309.846

 91, 97.412,
309.846

■ 31, 97.412,
309.846

■ 31, 97.412,
309.846

■ 28, 102.969,
309.585

■ 35, 89.035,
309.688

■ 28, 104.097,
309.525

■ 39, 78.603,
309.214

■ 45, 67.050,
308.565

■ 50, 55.049,
307.848

■ 56, 43.009,
307.129

■ 62, 31.156,
306.445

■ 68, 19.602,
305.815

■ 74, 8.398, 305.243

Harmonies

Complementary

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



31, 97.412, 309.846



72, 81.232, 122.478

Rectangle

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



31, 97.412, 309.846



31, 97.412, 359.846



31, 97.412, 129.846



31, 97.412, 179.846

Sweetspot

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



31, 97.413, 309.847



80, 36.155, 306.360



52, 40.856, 261.590



40, 24.841, 306.594



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, 97.413, 309.847



37, 127.215, 309.361



43, 91.555, 323.427



38, 6.191, 305.334



22, 90.411, 309.671



2, 19.887, 301.504

Inverse Universe

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



44, 70.427, 348.337



55, 87.133, 352.021



69, 92.373, 135.299



38, 5.522, 338.472



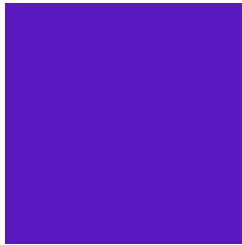
35, 62.490, 351.061



3, 17.086, 345.191

Previews

White Background



This preview shows how the CIELCh color 31, 97.412, 309.846 looks on a white background.

Color Contrast Check

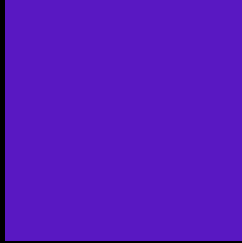
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.412, 309.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

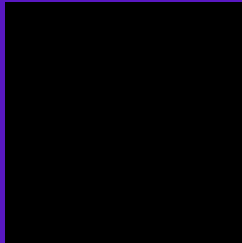
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 97.412, 309.846

Background



This preview shows how black text looks on a background with the CIELCh color 31, 97.412, 309.846.



This preview shows how white text looks on a background with the CIELCh color 31, 97.412, 309.846.

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

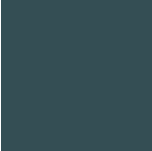
31, 97.412, 309.846

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 34.915, 271.499



Tritanopia
31, 10.500, 219.563

Trichromacy



Original Color
31, 97.412, 309.846

Protanomaly
29, 70.810, 298.482

Deuteranomaly
28, 60.666, 295.841

Tritanomaly
28, 42.527, 300.346

Monochromacy



Original Color
31, 97.412, 309.846

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 41.021, 307.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 97.412, 309.846 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(89, 24, 194)` looks like.

```
.text, #text, p{  
  color:rgb(89, 24, 194)  
}
```

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(89, 24, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 24, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 97.412, 309.846 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(89, 24, 194) }
```

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

```
.border{ border-color:rgb(89, 24, 194) }
```

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

Here you see how a box with a 4 pixel rgb(89, 24, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 24, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 24, 194);  
box-shadow:4px 4px 4px 4px rgb(89, 24,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 97.412, 309.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 24, 194) }
```

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

```
.background{ background-color: rgb(89, 24,  
194) }
```

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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