

Converting Colors

CIELCh(30, 100.903, 311.488)

Have a look what the booklet for
CIELCh(30, 100.903, 311.488)
contains.

CIELCh(30, 100.707, 311.561)	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>	27

Color

CIELCh(30, 100.707, 311.561)

Conversions

Conversions Part 1

Format	Color
Hex	5E02C0
RGB	94, 2, 192
RGB Percent	37%, 1%, 75%
CMY	0.6311, 0.9918, 0.2469
CMYK	0.51, 0.99, 0.00, 0.25
HSL	269°, 98%, 38%
HSV	269°, 99%, 75%
XYZ	14.1642, 6.2359, 50.3548
YIQ	51.1680, -6.1580, 78.5940

Conversions

Conversions Part 2

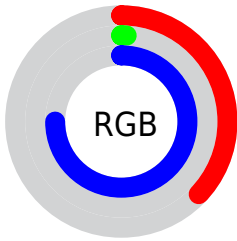
Format	Color
RYB	94, 2, 192
Decimal	6161088
CIELab	30.00, 66.81, -75.35
CIElCh	30, 100.707, 311.561
Yxy	6.2359, 0.2002, 0.0881
Android (android.graphics.Color)	4284351168 (0xFF5E02C0)
YUV	51.1680, 69.4302, 37.5637
Hunter-Lab	24.9718, 57.5459, -102.0760

Details

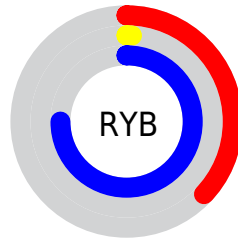
The CIELCh color **30, 100.707, 311.561** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **70, 87.366, 127.447**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 100.661, 311.586**, and **15, 83.494, 306.902** is the 20% darker color. If you saturate the color by 10%, you get **30, 101.194, 311.512**, and if you desaturate by 10%, it is **32, 95.914, 312.043**.

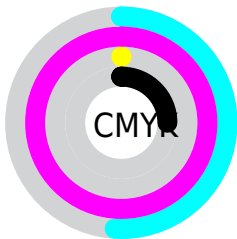
Distribution



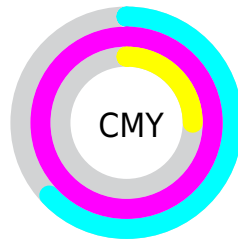
- Red (37%)
- Green (1%)
- Blue (75%)



- Red (37%)
- Yellow (1%)
- Blue (75%)



- Cyan (51%)
- Magenta (99%)
- Yellow (0%)
- Black (25%)





- Cyan (63%)
- Magenta (99%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 100.707, 311.561 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 30, 100.707, 311.561 by changing the saturation by 10% instead.


 30, 100.707,
311.561


 30, 100.707,
311.561


 100, 100.707,
311.561


 20, 100.707,
311.561


 50, 100.707,
311.561


 10, 100.707,
311.561

 60, 100.707,
311.561

 0, 100.707,
311.561

 70, 100.707,
311.561

 80, 100.707,
311.561

 90, 100.707,
311.561

■ 30, 100.707,
311.561

■ 30, 100.707,
311.561

■ 30, 101.194,
311.512

■ 32, 95.914,
312.043

■ 36, 88.556,
312.162

■ 40, 79.007,
311.962

■ 45, 68.085,
311.558

■ 50, 56.464,
311.045

■ 56, 44.602,
310.489

■ 61, 32.783,
309.933

■ 67, 21.166,

309.401

■ 73, 9.835, 308.903

Harmonies

Complementary

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



30, 100.707, 311.561



70, 87.366, 127.447

Rectangle

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



30, 100.707, 311.561



30, 100.707, 1.561



30, 100.707, 131.561



30, 100.707, 181.561

Sweetspot

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



30, 100.708, 311.562



77, 42.204, 310.019



43, 55.955, 282.050



38, 28.926, 310.255



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 100.708, 311.562



40, 123.563, 311.333



45, 93.226, 327.571



38, 6.306, 308.925



24, 88.529, 311.662



2, 20.161, 304.798

Inverse Universe

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



42, 68.522, 0.216



54, 83.556, 1.357



68, 96.432, 135.992



38, 5.146, 343.528



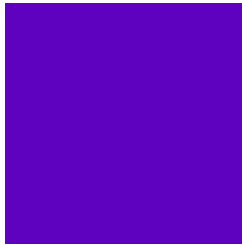
34, 60.231, 0.026



3, 15.973, 351.382

Previews

White Background



This preview shows how the CIELCh color 30, 100.707, 311.561 looks on a white background.

Color Contrast Check

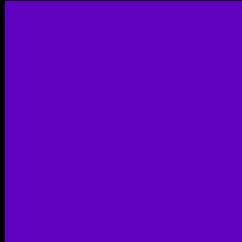
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 100.707, 311.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

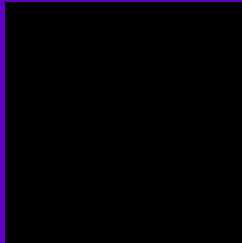
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 100.707, 311.561

Background



This preview shows how black text looks on a background with the CIELCh color 30, 100.707, 311.561.

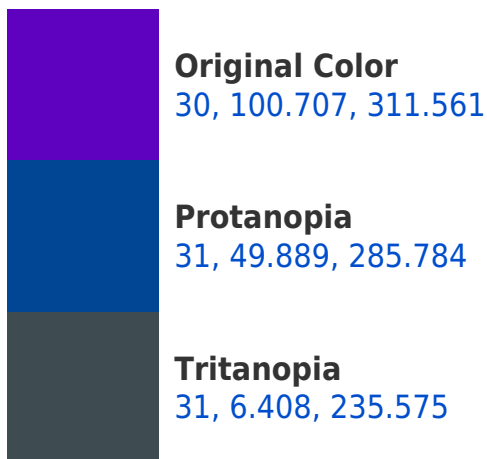


This preview shows how white text looks on a background with the CIELCh color 30, 100.707, 311.561.

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



Trichromacy



Original Color
30, 100.707, 311.561

Protanomaly
26, 75.444, 301.028

Tritanomaly
27, 47.684, 307.850

Monochromacy



Original Color
30, 100.707, 311.561

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 46.458, 312.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 100.707, 311.561 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(94, 2, 192)` looks like.

```
.text, #text, p{  
    color:rgb(94, 2, 192)  
}
```

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(94, 2, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 2, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 100.707, 311.561 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(94, 2, 192) }
```

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

```
.border{ border-color:rgb(94, 2, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 2, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 2, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 2, 192);  
box-shadow:4px 4px 4px 4px rgb(94, 2, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 100.707, 311.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 2, 192) }
```

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

```
.background{ background-color: rgb(94, 2,  
192) }
```

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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