

Converting Colors

CIELCh(30, 106.285, 310.390)

Have a look what the booklet for
CIELCh(30, 106.285, 310.390)
contains.

CIELCh(30, 106.326, 310.371)	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(30, 106.326, 310.371)

Conversions

Conversions Part 1

Format	Color
Hex	5700CA
RGB	87, 0, 202
RGB Percent	34%, 0%, 79%
CMY	0.6605, 1.0000, 0.2093
CMYK	0.57, 1.00, 0.00, 0.21
HSL	266°, 100%, 40%
HSV	266°, 100%, 79%
XYZ	14.4970, 6.2359, 56.0796
YIQ	49.0410, -12.9900, 81.2660

Conversions

Conversions Part 2

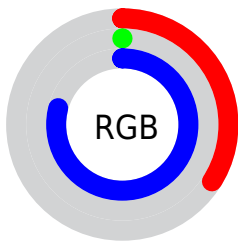
Format	Color
RYB	87, 0, 202
Decimal	5701834
CIELab	30.00, 68.87, -81.01
CIELCh	30, 106.326, 310.371
Yxy	6.2359, 0.1887, 0.0812
Android (android.graphics.Color)	4283891914 (0xFF5700CA)
YUV	49.0410, 75.4088, 33.2900
Hunter-Lab	24.9718, 59.9250, -115.6684

Details

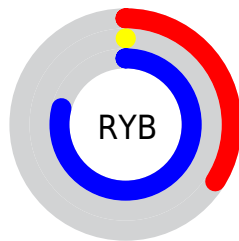
The CIELCh color **30, 106.326, 310.371** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **73, 89.374, 125.610**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 103.722, 310.667**, and **16, 88.313, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 106.204, 310.346**, and if you desaturate by 10%, it is **33, 101.229, 310.771**.

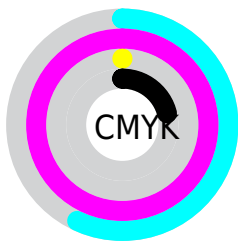
Distribution



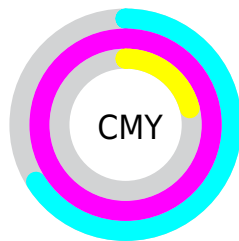
- Red (34%)
- Green (0%)
- Blue (79%)



- Red (34%)
- Yellow (0%)
- Blue (79%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (21%)





- Cyan (66%)
- Magenta (100%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 106.326, 310.371 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, 106.326, 310.371 by changing the saturation by 10% instead.


 30, 106.326,
310.371


 30, 106.326,
310.371


 100, 106.326,
310.371


 20, 106.326,
310.371


 50, 106.326,
310.371


 10, 106.326,
310.371

 60, 106.326,
310.371

 0, 106.326,
310.371

 70, 106.326,
310.371

 80, 106.326,
310.371

 90, 106.326,
310.371

■ 30, 106.326,
310.371

■ 30, 106.326,
310.371

■ 30, 106.204,
310.346

■ 33, 101.229,
310.771

■ 36, 93.578,
310.833

■ 41, 83.536,
310.547

■ 46, 72.044,
310.047

■ 51, 59.855,
309.440

■ 57, 47.463,
308.801

■ 63, 35.161,
308.173

■ 69, 23.107,

307.583

■ 75, 11.380,
307.039

Harmonies

Complementary

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



30, 106.326, 310.371



73, 89.374, 125.610

Rectangle

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



30, 106.326, 310.371



30, 106.326, 0.371



30, 106.326, 130.371



30, 106.326, 180.371

Sweetspot

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



30, 106.204, 310.346



78, 42.570, 308.199



48, 51.321, 274.909



38, 29.205, 308.464



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 106.204, 310.346



39, 126.969, 310.196



45, 97.333, 324.970



40, 6.511, 307.008



24, 91.668, 310.500



2, 24.247, 304.124

Inverse Universe

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



44, 72.286, 355.698



55, 86.096, 356.234



71, 99.892, 135.681



40, 5.574, 340.719



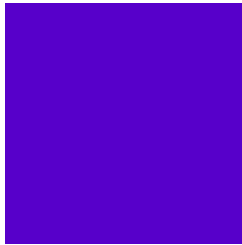
36, 62.634, 355.163



4, 20.723, 349.038

Previews

White Background



This preview shows how the CIELCh color 30, 106.326, 310.371 looks on a white background.

Color Contrast Check

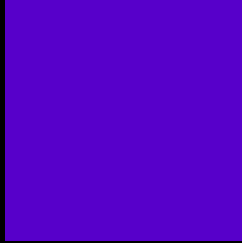
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.326, 310.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

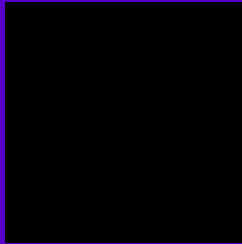
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 106.326, 310.371

Background



This preview shows how black text looks on a background with the CIELCh color 30, 106.326, 310.371.



This preview shows how white text looks on a background with the CIELCh color 30, 106.326, 310.371.

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

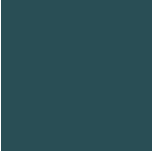
30, 106.326, 310.371

Protanopia

31, 49.889, 285.784

Deuteranopia

31, 34.379, 271.208



Tritanopia
31, 13.790, 216.714

Trichromacy



Original Color
30, 106.326, 310.371

Protanomaly
27, 77.184, 300.973

Deuteranomaly
26, 67.364, 299.063

Tritanomaly
26, 49.992, 301.478

Monochromacy



Original Color
30, 106.326, 310.371

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 48.915, 310.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 106.326, 310.371 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(87, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 202)  
}
```

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(87, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 106.326, 310.371 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(87, 0, 202) }
```

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

```
.border{ border-color:rgb(87, 0, 202) }
```

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

Here you see how a box with a 4 pixel rgb(87, 0, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(87, 0, 202)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 106.326, 310.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 202) }
```

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

```
.background{ background-color: rgb(87, 0,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor