

Converting Colors

CIELCh(30, 102.880, 308.931)

Have a look what the booklet for
CIELCh(30, 102.880, 308.931)
contains.

CIELCh(30, 102.818, 308.946)	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, 102.818, 308.946)

Conversions

Conversions Part 1

Format	Color
Hex	4F12C8
RGB	79, 18, 200
RGB Percent	31%, 7%, 78%
CMY	0.6911, 0.9306, 0.2165
CMYK	0.61, 0.91, 0.00, 0.22
HSL	260°, 84%, 43%
HSV	260°, 91%, 78%
XYZ	13.8175, 6.2359, 54.9946
YIQ	56.9870, -22.0660, 69.5340

Conversions

Conversions Part 2

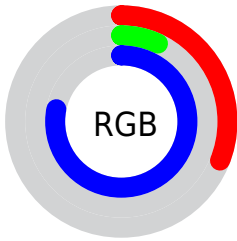
Format	Color
R_{YB}	79, 18, 200
Decimal	5182152
CIE _{Lab}	30.00, 64.63, -79.97
CIE _{LCh}	30, 102.818, 308.946
Yxy	6.2359, 0.1841, 0.0831
Android (android.graphics.Color)	4283372232 (0xFF4F12C8)
YUV	56.9870, 70.5054, 19.3054
Hunter-Lab	24.9718, 55.0678, -113.0923

Details

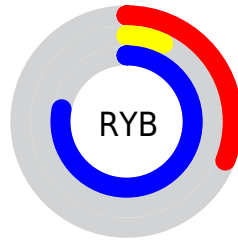
The CIELCh color **30, 102.818, 308.946** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **74, 83.403, 120.745**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 101.036, 309.108**, and **16, 87.429, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 107.457, 308.763**, and if you desaturate by 10%, it is **34, 94.971, 308.802**.

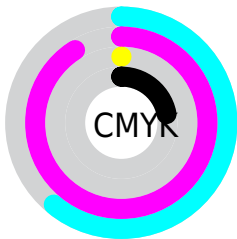
Distribution



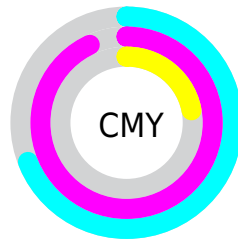
- Red (31%)
- Green (7%)
- Blue (78%)



- Red (31%)
- Yellow (7%)
- Blue (78%)



- Cyan (61%)
- Magenta (91%)
- Yellow (0%)
- Black (22%)





- Cyan (69%)
- Magenta (93%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 102.818, 308.946 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, 102.818, 308.946 by changing the saturation by 10% instead.


 30, 102.818,
308.946


 30, 102.818,
308.946


 100, 102.818,
308.946


 20, 102.818,
308.946


 50, 102.818,
308.946


 10, 102.818,
308.946

 60, 102.818,
308.946

 0, 102.818,
308.946

 70, 102.818,
308.946

 80, 102.818,
308.946

 90, 102.818,
308.946

■ 30, 102.818,
308.946

■ 30, 102.818,
308.946

■ 28, 107.457,
308.763

■ 34, 94.971,
308.802

■ 38, 84.627,
308.278

■ 43, 72.875,
307.539

■ 49, 60.538,
306.715

■ 55, 48.116,
305.888

■ 61, 35.879,
305.105

■ 67, 23.959,
304.388

■ 74, 12.412,

303.743

■ 80, 1.253, 303.132

Harmonies

Complementary

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



30, 102.818, 308.946



74, 83.403, 120.745

Rectangle

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



30, 102.818, 308.946



30, 102.818, 358.946



30, 102.818, 128.946



30, 102.818, 178.946

Sweetspot

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



30, 102.819, 308.947



80, 37.698, 304.828



55, 40.752, 257.950



40, 25.544, 305.083



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, 102.819, 308.947



36, 129.355, 308.625



43, 95.232, 322.192



39, 6.279, 303.637



22, 92.308, 308.905



2, 21.877, 300.574

Inverse Universe

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



45, 74.545, 345.763



56, 90.004, 348.092



71, 95.539, 134.878



39, 5.834, 336.373



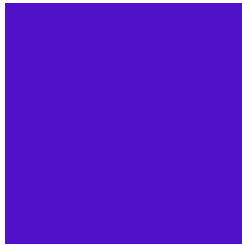
36, 64.816, 347.327



4, 19.973, 342.757

Previews

White Background



This preview shows how the CIE LCh color 30, 102.818, 308.946 looks on a white background.

Color Contrast Check

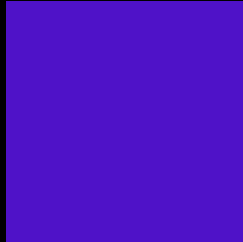
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.818, 308.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

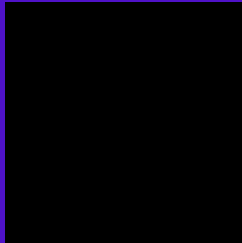
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 102.818, 308.946

Background



This preview shows how black text looks on a background with the CIELCh color 30, 102.818, 308.946.



This preview shows how white text looks on a background with the CIELCh color 30, 102.818, 308.946.

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, 102.818, 308.946

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 33.311, 270.184



Tritanopia
30, 18.605, 208.958

Trichromacy



Original Color
30, 102.818, 308.946

Protanomaly
27, 72.931, 299.334

Deuteranomaly
27, 62.185, 296.538

Tritanomaly
27, 45.403, 293.393

Monochromacy



Original Color
30, 102.818, 308.946

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 43.902, 307.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 102.818, 308.946 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(79, 18, 200)` looks like.

```
.text, #text, p{  
    color:rgb(79, 18, 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(79, 18, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 18, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 102.818, 308.946 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(79, 18, 200) }
```

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

```
.border{ border-color:rgb(79, 18, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 18, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 18, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 18, 200);  
box-shadow:4px 4px 4px 4px rgb(79, 18,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 102.818, 308.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 18, 200) }
```

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

```
.background{ background-color: rgb(79, 18,  
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](#).

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