

Converting Colors

CIELCh(30, 93.574, 313.934)

Have a look what the booklet for
CIELCh(30, 93.574, 313.934)
contains.

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Color

CIELCh(30, 93.661, 313.854)

Conversions

Conversions Part 1

Format	Color
Hex	6802B3
RGB	104, 2, 179
RGB Percent	41%, 1%, 70%
CMY	0.5923, 0.9925, 0.2982
CMYK	0.42, 0.99, 0.00, 0.30
HSL	275°, 98%, 35%
HSV	275°, 99%, 70%
XYZ	13.8586, 6.2359, 43.1015
YIQ	52.6760, 3.9750, 76.6710

Conversions

Conversions Part 2

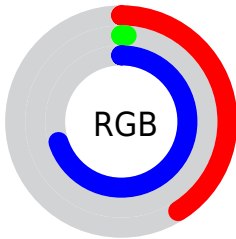
Format	Color
RYB	104, 2, 179
Decimal	6816435
CIELab	30.00, 64.89, -67.54
CIELCh	30, 93.661, 313.854
Yxy	6.2359, 0.2193, 0.0987
Android (android.graphics.Color)	4285006515 (0xFF6802B3)
YUV	52.6760, 62.2777, 45.0111
Hunter-Lab	24.9718, 55.3616, -84.8546

Details

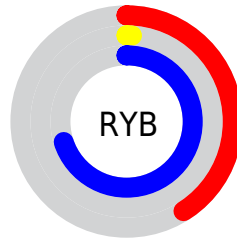
The CIELCh color **30, 93.661, 313.854** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **65, 85.237, 130.224**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 93.750, 313.796**, and **15, 75.781, 309.155** is the 20% darker color. If you saturate the color by 10%, you get **30, 94.090, 313.799**, and if you desaturate by 10%, it is **32, 89.461, 314.392**.

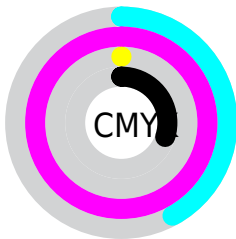
Distribution



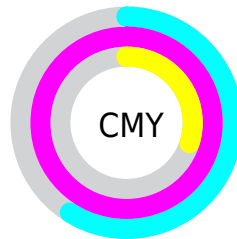
- Red (41%)
- Green (1%)
- Blue (70%)



- Red (41%)
- Yellow (1%)
- Blue (70%)



- Cyan (42%)
- Magenta (99%)
- Yellow (0%)
- Black (30%)





- Cyan (59%)
- Magenta (99%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 93.661, 313.854 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, 93.661, 313.854 by changing the saturation by 10% instead.


 30, 93.661,
313.854


 30, 93.661,
313.854

 100, 93.661,
313.854


 20, 93.661,
313.854


 50, 93.661,
313.854


 10, 93.661,
313.854

 60, 93.661,
313.854

 0, 93.661, 313.854

 70, 93.661,
313.854

 80, 93.661,
313.854

 90, 93.661,
313.854

■ 30, 93.661,
313.854

■ 30, 93.661,
313.854

■ 30, 94.090,
313.799

■ 32, 89.461,
314.392

■ 35, 83.010,
314.620

■ 39, 74.477,
314.554

■ 43, 64.530,
314.287

■ 48, 53.770,
313.897

■ 53, 42.642,
313.445

■ 58, 31.443,
312.972

■ 63, 20.354,

312.502

■ 68, 9.482, 312.050

Harmonies

Complementary

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



30, 93.661, 313.854



65, 85.237, 130.224

Rectangle

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



30, 93.661, 313.854



30, 93.661, 3.854



30, 93.661, 133.854



30, 93.661, 183.854

Sweetspot

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



30, 93.661, 313.855



73, 40.338, 313.047



36, 62.146, 289.432



36, 27.839, 313.245



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



30, 93.661, 313.855



39, 114.454, 313.612



42, 83.923, 331.034



35, 6.007, 312.067



25, 83.728, 313.936



2, 14.035, 307.826

Inverse Universe

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



38, 64.571, 8.765



50, 78.790, 10.193



64, 90.307, 136.629



35, 4.527, 348.752



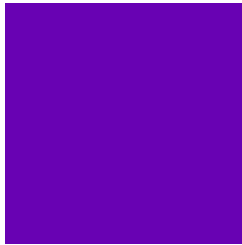
32, 57.696, 8.565



2, 10.195, 354.073

Previews

White Background



This preview shows how the CIELCh color 30, 93.661, 313.854 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, 93.661, 313.854 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, 93.661, 313.854

Background



This preview shows how black text looks on a background with the CIELCh color 30, 93.661, 313.854.



This preview shows how white text looks on a background with the CIELCh color 30, 93.661, 313.854.

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

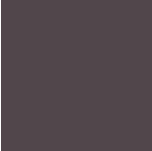
30, 93.661, 313.854

Protanopia

31, 49.237, 285.162

Deuteranopia

31, 34.914, 271.891



Tritanopia
31, 5.809, 347.229

Trichromacy



Original Color
30, 93.661, 313.854

Protanomaly
26, 71.902, 300.834

Deuteranomaly
26, 63.132, 299.261

Tritanomaly
27, 45.481, 316.400

Monochromacy



Original Color
30, 93.661, 313.854

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 44.149, 314.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 93.661, 313.854 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(104, 2, 179)` looks like.

```
.text, #text, p{  
    color:rgb(104, 2, 179)  
}
```

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(104, 2, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 2, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 93.661, 313.854 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(104, 2, 179) }
```

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

```
.border{ border-color:rgb(104, 2, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 2, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 2, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 2, 179);  
box-shadow:4px 4px 4px 4px rgb(104, 2,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 93.661, 313.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 2, 179) }
```

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

```
.background{ background-color: rgb(104, 2,  
179) }
```

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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