

Converting Colors

CIELCh(30, 92.573, 311.861)

Have a look what the booklet for
CIELCh(30, 92.573, 311.861)
contains.

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Color

CIELCh(30, 92.549, 311.940)

Conversions

Conversions Part 1

Format	Color
Hex	6011B5
RGB	96, 17, 181
RGB Percent	38%, 7%, 71%
CMY	0.6232, 0.9329, 0.2899
CMYK	0.47, 0.91, 0.00, 0.29
HSL	269°, 83%, 39%
HSV	269°, 91%, 71%
XYZ	13.3846, 6.2359, 44.2585
YIQ	59.3170, -5.5600, 67.7520

Conversions

Conversions Part 2

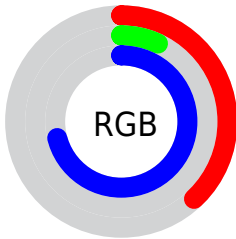
Format	Color
R_{YB}	96, 17, 181
Decimal	6295989
CIE Lab	30.00, 61.86, -68.84
CIE LCh	30, 92.549, 311.940
Yxy	6.2359, 0.2095, 0.0976
Android (android.graphics.Color)	4284486069 (0xFF6011B5)
YUV	59.3170, 59.9897, 32.1710
Hunter-Lab	24.9718, 51.9734, -87.6018

Details

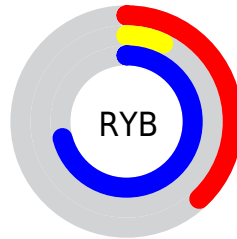
The CIELCh color **30, 92.549, 311.940** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **66, 80.612, 126.470**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 92.364, 311.959**, and **14, 78.055, 307.760** is the 20% darker color. If you saturate the color by 10%, you get **28, 96.869, 311.504**, and if you desaturate by 10%, it is **33, 85.842, 312.105**.

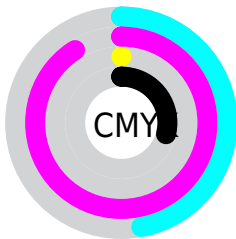
Distribution



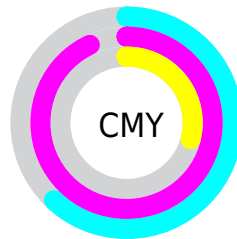
- Red (38%)
- Green (7%)
- Blue (71%)



- Red (38%)
- Yellow (7%)
- Blue (71%)



- Cyan (47%)
- Magenta (91%)
- Yellow (0%)
- Black (29%)





- Cyan (62%)
- Magenta (93%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 92.549, 311.940 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, 92.549, 311.940 by changing the saturation by 10% instead.


 30, 92.549,
311.940


 30, 92.549,
311.940

 100, 92.549,
311.940


 20, 92.549,
311.940


 50, 92.549,
311.940


 10, 92.549,
311.940

 60, 92.549,
311.940

 0, 92.549, 311.940

 70, 92.549,
311.940

 80, 92.549,
311.940

 90, 92.549,
311.940

■ 30, 92.549,
311.940

■ 30, 92.549,
311.940

■ 28, 96.869,
311.504

■ 33, 85.842,
312.105

■ 37, 76.954,
311.936

■ 42, 66.667,
311.550

■ 46, 55.645,
311.046

■ 52, 44.348,
310.492

■ 57, 33.064,
309.933

■ 62, 21.956,
309.396

■ 68, 11.113,

308.894

■ 73, 0.576, 308.268

Harmonies

Complementary

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



30, 92.549, 311.940



66, 80.612, 126.470

Rectangle

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



30, 92.549, 311.940



30, 92.549, 1.940



30, 92.549, 131.940



30, 92.549, 181.940

Sweetspot

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



30, 92.549, 311.941



75, 35.934, 309.764



43, 47.426, 276.193



37, 24.293, 309.947



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, 92.549, 311.941



37, 117.816, 311.317



43, 87.427, 326.939



36, 6.027, 308.836



23, 86.476, 311.637



2, 15.908, 304.297

Inverse Universe

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



40, 64.594, 356.794



51, 79.721, 0.957



64, 89.934, 136.212



36, 4.929, 343.389



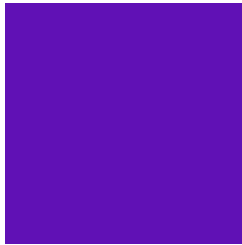
33, 58.870, 359.678



3, 12.338, 349.735

Previews

White Background



This preview shows how the CIELCh color 30, 92.549, 311.940 looks on a white background.

Color Contrast Check

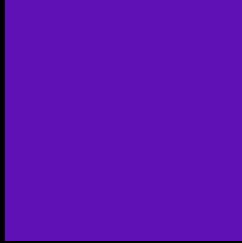
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.549, 311.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

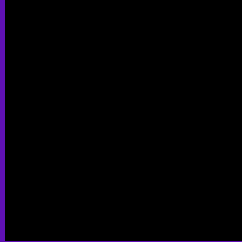
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 92.549, 311.940

Background



This preview shows how black text looks on a background with the CIELCh color 30, 92.549, 311.940.



This preview shows how white text looks on a background with the CIELCh color 30, 92.549, 311.940.

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

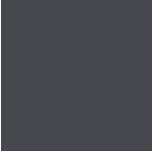
30, 92.549, 311.940

Protanopia

30, 49.372, 285.761

Deuteranopia

30, 34.376, 271.606



Tritanopia
31, 3.289, 275.809

Trichromacy



Original Color
30, 92.549, 311.940

Protanomaly
27, 69.387, 299.370

Deuteranomaly
27, 59.206, 296.904

Tritanomaly
28, 41.504, 309.557

Monochromacy



Original Color
30, 92.549, 311.940

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 39.753, 311.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 92.549, 311.940 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(96, 17, 181)` looks like.

```
.text, #text, p{  
    color:rgb(96, 17, 181)  
}
```

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(96, 17, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 17, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 92.549, 311.940 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(96, 17, 181) }
```

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

```
.border{ border-color:rgb(96, 17, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 17, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 17, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 17, 181);  
box-shadow:4px 4px 4px 4px rgb(96, 17,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 92.549, 311.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 17, 181) }
```

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

```
.background{ background-color: rgb(96, 17,  
181) }
```

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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