

Converting Colors

CIELCh(36, 98.909, 308.314)

Have a look what the booklet for
CIELCh(36, 98.909, 308.314)
contains.

CIELCh(36, 98.912, 308.291)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 98.912, 308.291)

Conversions

Conversions Part 1

Format	Color
Hex	602BD5
RGB	96, 43, 213
RGB Percent	38%, 17%, 84%
CMY	0.6238, 0.8316, 0.1649
CMYK	0.55, 0.80, 0.00, 0.16
HSL	259°, 67%, 50%
HSV	259°, 80%, 84%
XYZ	17.6817, 9.0082, 63.7190
YIQ	78.2270, -22.9820, 64.1060

Conversions

Conversions Part 2

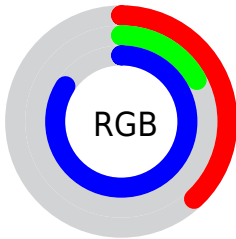
Format	Color
R_{YB}	96, 43, 213
Decimal	6302677
CIE _{Lab}	36.00, 61.29, -77.63
CIE _{LCh}	36, 98.912, 308.291
Yxy	9.0082, 0.1956, 0.0996
Android (android.graphics.Color)	4284492757 (0xFF602BD5)
YUV	78.2270, 66.4431, 15.5869
Hunter-Lab	30.0136, 52.6347, -104.8635

Details

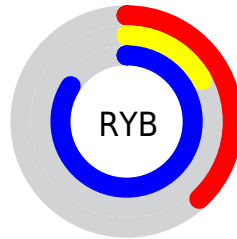
The CIELCh color **36, 98.912, 308.291** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **79, 81.466, 119.057**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 90.562, 309.150**, and **18, 92.718, 306.564** is the 20% darker color. If you saturate the color by 10%, you get **32, 107.615, 308.557**, and if you desaturate by 10%, it is **41, 87.679, 307.657**.

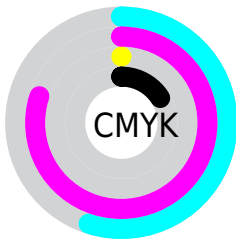
Distribution



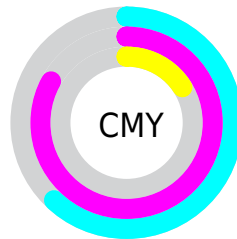
- Red (38%)
- Green (17%)
- Blue (84%)



- Red (38%)
- Yellow (17%)
- Blue (84%)



- Cyan (55%)
- Magenta (80%)
- Yellow (0%)
- Black (16%)





- Cyan (62%)
- Magenta (83%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 98.912, 308.291 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 36, 98.912, 308.291 by changing the saturation by 10% instead.


 36, 98.912,
308.291


 36, 98.912,
308.291


 100, 98.912,
308.291


 26, 98.912,
308.291

 56, 98.912,
308.291


 16, 98.912,
308.291


 66, 98.912,
308.291

 6, 98.912, 308.291

 76, 98.912,
308.291

 0, 98.912, 308.291

 86, 98.912,
308.291

 96, 98.912,
308.291

■ 36, 98.912,
308.291

■ 36, 98.912,
308.291

■ 32, 107.615,
308.557

■ 41, 87.679,
307.657

■ 29, 113.157,
308.397

■ 47, 75.094,
306.826

■ 29, 113.243,
308.395

■ 53, 62.004,
305.930

■ 59, 48.903,
305.048

■ 66, 36.049,
304.224

■ 72, 23.559,
303.477

■ 79, 11.480,
302.811

■ 85, 0.181, 122.538

■ 92, 11.434,
121.730

Harmonies

Complementary

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



36, 98.912, 308.291



79, 81.466, 119.057

Rectangle

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



36, 98.912, 308.291



36, 98.912, 358.291



36, 98.912, 128.291



36, 98.912, 178.291

Sweetspot

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



36, 98.913, 308.292



82, 33.251, 303.797



63, 37.986, 247.242



41, 22.983, 304.070



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 98.913, 308.292



37, 127.922, 308.429



47, 94.502, 321.333



42, 6.653, 302.786



23, 95.929, 308.536



2, 28.106, 301.926

Inverse Universe

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



50, 76.340, 342.307



57, 91.303, 345.371



76, 93.297, 134.364



42, 6.307, 335.381



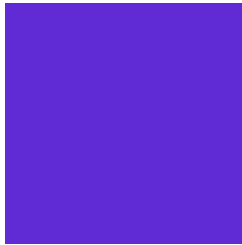
38, 67.950, 345.626



6, 26.251, 341.772

Previews

White Background



This preview shows how the CIELCh color 36, 98.912, 308.291 looks on a white background.

Color Contrast Check

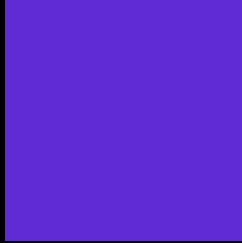
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 98.912, 308.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

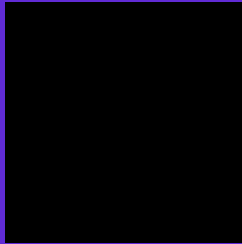
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 98.912, 308.291

Background



This preview shows how black text looks on a background with the CIELCh color 36, 98.912, 308.291.



This preview shows how white text looks on a background with the CIELCh color 36, 98.912, 308.291.

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

36, 98.912, 308.291

Protanopia

36, 56.003, 286.022

Deuteranopia

36, 39.150, 272.471



Tritanopia
36, 12.976, 217.654

Trichromacy



Original Color
36, 98.912, 308.291

Protanomaly
34, 73.430, 296.516

Deuteranomaly
34, 62.265, 293.358

Tritanomaly
34, 41.285, 295.884

Monochromacy



Original Color
36, 98.912, 308.291

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 39.722, 305.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 98.912, 308.291 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, 43, 213)` looks like.

```
.text, #text, p{  
    color:rgb(96, 43, 213)  
}
```

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, 43, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 43, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 98.912, 308.291 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, 43, 213) }
```

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

```
.border{ border-color:rgb(96, 43, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 43, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 43, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 43, 213);  
box-shadow:4px 4px 4px 4px rgb(96, 43,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 98.912, 308.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 43, 213) }
```

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

```
.background{ background-color: rgb(96, 43,  
213) }
```

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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