

Converting Colors

CIELCh(35, 80.581, 309.910)

Have a look what the booklet for
CIELCh(35, 80.581, 309.910)
contains.

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Color

CIELCh(35, 80.590, 309.994)

Conversions

Conversions Part 1

Format	Color
Hex	6731B7
RGB	103, 49, 183
RGB Percent	40%, 19%, 72%
CMY	0.5961, 0.8079, 0.2824
CMYK	0.44, 0.73, 0.00, 0.28
HSL	264°, 58%, 45%
HSV	264°, 73%, 72%
XYZ	15.2381, 8.4984, 45.6343
YIQ	80.4220, -10.8300, 53.1220

Conversions

Conversions Part 2

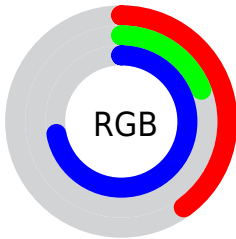
Format	Color
RYB	103, 49, 183
Decimal	6762935
CIELab	35.00, 51.80, -61.74
CIElCh	35, 80.590, 309.994
Yxy	8.4984, 0.2197, 0.1225
Android (android.graphics.Color)	4284953015 (0xFF6731B7)
YUV	80.4220, 50.5710, 19.8009
Hunter-Lab	29.1520, 42.2879, -72.4057

Details

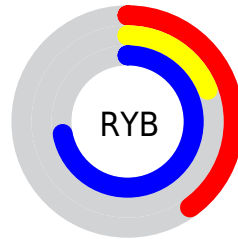
The CIELCh color **35, 80.590, 309.994** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **69, 69.812, 122.718**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 80.692, 309.964**, and **16, 77.589, 309.083** is the 20% darker color. If you saturate the color by 10%, you get **31, 89.521, 310.266**, and if you desaturate by 10%, it is **40, 70.131, 309.479**.

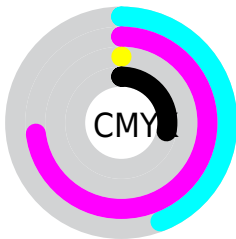
Distribution



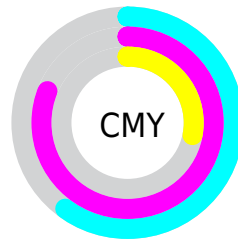
- Red (40%)
- Green (19%)
- Blue (72%)



- Red (40%)
- Yellow (19%)
- Blue (72%)



- Cyan (44%)
- Magenta (73%)
- Yellow (0%)
- Black (28%)





- Cyan (60%)
- Magenta (81%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 80.590, 309.994 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 35, 80.590, 309.994 by changing the saturation by 10% instead.


 35, 80.590,
309.994


 35, 80.590,
309.994

 100, 80.590,
309.994


 25, 80.590,
309.994

 55, 80.590,
309.994


 15, 80.590,
309.994


 65, 80.590,
309.994

 5, 80.590, 309.994

 75, 80.590,
309.994

 0, 80.590, 309.994

 85, 80.590,
309.994

 95, 80.590,
309.994

35, 80.590,
309.994

35, 80.590,
309.994

31, 89.521,
310.266

40, 70.131,
309.479

28, 96.020,
310.151

45, 58.908,
308.840

26, 99.260,
309.928

50, 47.435,
308.159

56, 36.016,
307.489

61, 24.815,
306.858

67, 13.913,
306.279

73, 3.345, 305.742

78, 6.883, 125.318

■ 84, 16.775,
124.907

Harmonies

Complementary

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



35, 80.590, 309.994



69, 69.812, 122.718

Rectangle

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



35, 80.590, 309.994



35, 80.590, 359.994



35, 80.590, 129.994



35, 80.590, 179.994

Sweetspot

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



35, 80.590, 309.995



78, 28.980, 306.806



52, 35.717, 260.025



40, 19.710, 306.970



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



35, 80.590, 309.995



39, 114.044, 310.248



44, 79.517, 324.575



36, 5.940, 306.068



22, 87.902, 310.062



1, 15.745, 301.837

Inverse Universe

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



44, 61.553, 346.719



53, 81.391, 350.201



66, 79.929, 136.410



36, 5.205, 339.433



34, 60.473, 352.702



3, 12.984, 345.188

Previews

White Background



This preview shows how the CIELCh color 35, 80.590, 309.994 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 35, 80.590, 309.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

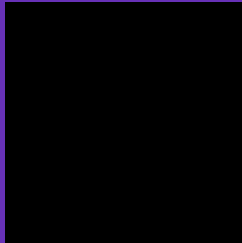
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 80.590, 309.994

Background



This preview shows how black text looks on a background with the CIELCh color 35, 80.590, 309.994.



This preview shows how white text looks on a background with the CIELCh color 35, 80.590, 309.994.

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

35, 80.590, 309.994

Protanopia

35, 54.996, 285.986

Deuteranopia

35, 39.158, 273.159



Tritanopia
35, 4.434, 280.187

Trichromacy



Original Color
35, 80.590, 309.994

Protanomaly
33, 64.729, 294.653

Deuteranomaly
33, 54.540, 291.024

Tritanomaly
34, 33.939, 306.045

Monochromacy



Original Color
35, 80.590, 309.994

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 31.075, 307.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 80.590, 309.994 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(103, 49, 183)` looks like.

```
.text, #text, p{  
    color:rgb(103, 49, 183)  
}
```

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(103, 49, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 49, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 80.590, 309.994 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(103, 49, 183) }
```

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

```
.border{ border-color:rgb(103, 49, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 49, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 49, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 49, 183);  
box-shadow:4px 4px 4px 4px rgb(103, 49,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 80.590, 309.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 49, 183) }
```

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

```
.background{ background-color: rgb(103, 49,  
183) }
```

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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