

Converting Colors

CIELCh(35, 111.827, 308.442)

Have a look what the booklet for
CIELCh(35, 111.827, 308.442)
contains.

CIELCh(35, 111.588, 308.457)	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(35, 111.588, 308.457)

Conversions

Conversions Part 1

Format	Color
Hex	591CE3
RGB	89, 28, 227
RGB Percent	35%, 11%, 89%
CMY	0.6510, 0.8903, 0.1099
CMYK	0.61, 0.88, 0.00, 0.11
HSL	258°, 78%, 50%
HSV	258°, 88%, 89%
XYZ	18.3969, 8.4984, 73.3350
YIQ	68.9250, -27.5230, 74.8210

Conversions

Conversions Part 2

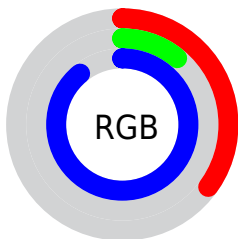
Format	Color
R_{YB}	89, 28, 227
Decimal	5840099
CIE _{Lab}	35.00, 69.40, -87.38
CIE _{LCh}	35, 111.588, 308.457
Yxy	8.4984, 0.1835, 0.0848
Android (android.graphics.Color)	4284030179 (0xFF591CE3)
YUV	68.9250, 77.9310, 17.6058
Hunter-Lab	29.1520, 61.6300, -128.7440

Details

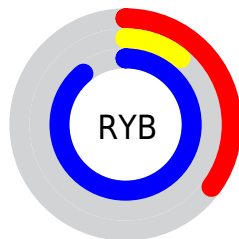
The CIELCh color **35, 111.588, 308.457** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **84, 89.877, 119.232**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 96.067, 309.711**, and **20, 98.759, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 117.803, 308.335**, and if you desaturate by 10%, it is **39, 101.801, 308.092**.

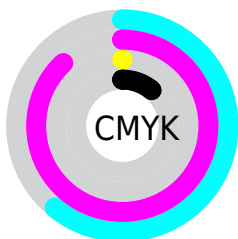
Distribution



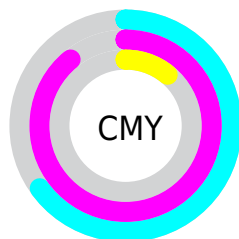
- Red (35%)
- Green (11%)
- Blue (89%)



- Red (35%)
- Yellow (11%)
- Blue (89%)



- Cyan (61%)
- Magenta (88%)
- Yellow (0%)
- Black (11%)





- Cyan (65%)
- Magenta (89%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 111.588, 308.457 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, 111.588, 308.457 by changing the saturation by 10% instead.


 35, 111.588,
308.457


 35, 111.588,
308.457


 100, 111.588,
308.457


 25, 111.588,
308.457


 55, 111.588,
308.457


 15, 111.588,
308.457


 65, 111.588,
308.457

 5, 111.588,
308.457

 75, 111.588,
308.457

 0, 111.588,
308.457

 85, 111.588,
308.457

 95, 111.588,
308.457

■ 35, 111.588,
308.457

■ 35, 111.588,
308.457

■ 32, 117.803,
308.335

■ 39, 101.801,
308.092

■ 31, 118.976,
308.292

■ 45, 89.583,
307.387

■ 51, 76.147,
306.515

■ 57, 62.313,
305.599

■ 64, 48.546,
304.711

■ 71, 35.079,
303.889

■ 78, 22.017,
303.149

■ 85, 9.396, 302.490

Harmonies

Complementary

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



35, 111.588, 308.457



84, 89.877, 119.232

Rectangle

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



35, 111.588, 308.457



35, 111.588, 358.457



35, 111.588, 128.457



35, 111.588, 178.457

Sweetspot

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



35, 111.589, 308.458



80, 36.127, 303.772



65, 42.078, 250.795



40, 24.635, 304.046



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 111.589, 308.458



36, 130.015, 308.235



48, 103.968, 321.155



44, 7.038, 302.602



24, 99.220, 308.436



3, 34.506, 304.425

Inverse Universe

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



52, 82.984, 343.302



57, 91.579, 345.830



80, 103.147, 134.355



45, 6.700, 335.172



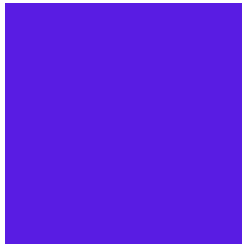
40, 70.372, 345.317



7, 30.408, 341.957

Previews

White Background



This preview shows how the CIE LCh color 35, 111.588, 308.457 looks on a white background.

Color Contrast Check

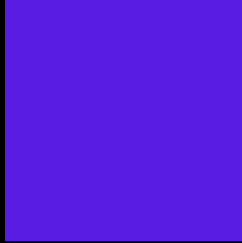
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 111.588, 308.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

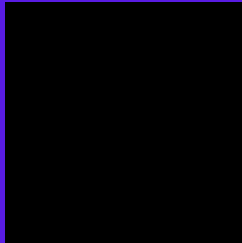
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 111.588, 308.457

Background



This preview shows how black text looks on a background with the CIELCh color 35, 111.588, 308.457.



This preview shows how white text looks on a background with the CIELCh color 35, 111.588, 308.457.

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, 111.588, 308.457

Protanopia

35, 54.423, 285.703

Deuteranopia

35, 37.577, 271.376



Tritanopia
35, 20.944, 209.056

Trichromacy



Original Color
35, 111.588, 308.457

Protanomaly
33, 79.162, 298.517

Deuteranomaly
32, 68.158, 295.969

Tritanomaly
31, 48.734, 291.710

Monochromacy



Original Color
35, 111.588, 308.457

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 46.568, 306.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 111.588, 308.457 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(89, 28, 227)` looks like.

```
.text, #text, p{  
    color:rgb(89, 28, 227)  
}
```

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(89, 28, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 28, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 111.588, 308.457 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(89, 28, 227) }
```

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

```
.border{ border-color:rgb(89, 28, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 28, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 28, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 28, 227);  
box-shadow:4px 4px 4px 4px rgb(89, 28,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 111.588, 308.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 28, 227) }
```

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

```
.background{ background-color: rgb(89, 28,  
227) }
```

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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