

Converting Colors

CIELCh(35, 117.205, 308.508)

Have a look what the booklet for
CIELCh(35, 117.205, 308.508)
contains.

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Color

CIELCh(35, 117.466, 308.547)

Conversions

Conversions Part 1

Format	Color
Hex	5714EB
RGB	87, 20, 235
RGB Percent	34%, 8%, 92%
CMY	0.6596, 0.9225, 0.0790
CMYK	0.63, 0.92, 0.00, 0.08
HSL	259°, 84%, 50%
HSV	259°, 92%, 92%
XYZ	19.1317, 8.4984, 79.1126
YIQ	64.5430, -29.0830, 81.0690

Conversions

Conversions Part 2

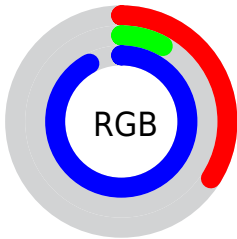
Format	Color
R_{YB}	87, 20, 235
Decimal	5706987
CIE _{Lab}	35.00, 73.20, -91.87
CIE _{LCh}	35, 117.466, 308.547
Yxy	8.4984, 0.1792, 0.0796
Android (android.graphics.Color)	4283897067 (0xFF5714EB)
YUV	64.5430, 84.0353, 19.6948
Hunter-Lab	29.1520, 66.1287, -140.4946

Details

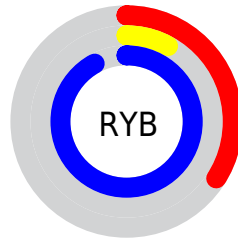
The CIELCh color **35, 117.466, 308.547** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **86, 94.055, 119.794**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 98.158, 310.151**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 121.989, 308.342**, and if you desaturate by 10%, it is **39, 108.847, 308.390**.

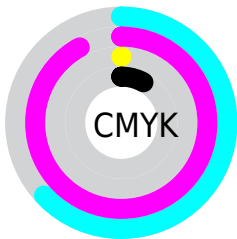
Distribution



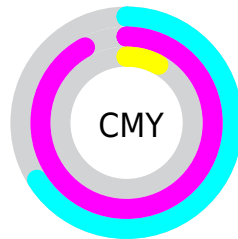
- Red (34%)
- Green (8%)
- Blue (92%)



- Red (34%)
- Yellow (8%)
- Blue (92%)



- Cyan (63%)
- Magenta (92%)
- Yellow (0%)
- Black (8%)





- Cyan (66%)
- Magenta (92%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 117.466, 308.547 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, 117.466, 308.547 by changing the saturation by 10% instead.


 35, 117.466,
308.547

 35, 117.466,
308.547


 100, 117.466,
308.547


 25, 117.466,
308.547


 55, 117.466,
308.547


 15, 117.466,
308.547


 65, 117.466,
308.547

 5, 117.466,
308.547

 75, 117.466,
308.547

 0, 117.466,
308.547

 85, 117.466,
308.547

 95, 117.466,
308.547

■ 35, 117.466,
308.547

■ 35, 117.466,
308.547

■ 33, 121.989,
308.342

■ 39, 108.847,
308.390

■ 44, 97.169,
307.817

■ 50, 83.765,
307.010

■ 57, 69.651,
306.115

■ 64, 55.440,
305.221

■ 71, 41.456,
304.379

■ 78, 27.853,
303.612

■ 85, 14.691,

302.927

■ 92, 1.984, 302.301

Harmonies

Complementary

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



35, 117.466, 308.547



86, 94.055, 119.794

Rectangle

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



35, 117.466, 308.547



35, 117.466, 358.547



35, 117.466, 128.547



35, 117.466, 178.547

Sweetspot

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



35, 117.467, 308.548



79, 37.601, 304.026



66, 44.229, 252.744



40, 25.484, 304.295



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, 117.467, 308.548



36, 129.899, 308.302



49, 108.400, 321.006



45, 7.171, 302.792



24, 100.192, 308.496



3, 36.710, 305.526

Inverse Universe

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



53, 85.542, 344.393



56, 91.284, 346.228



82, 107.834, 134.453



46, 6.797, 335.388



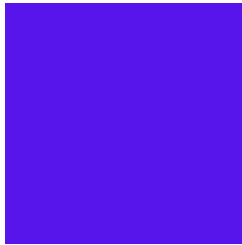
40, 70.874, 345.727



8, 31.264, 342.438

Previews

White Background



This preview shows how the CIE LCh color 35, 117.466, 308.547 looks on a white background.

Color Contrast Check

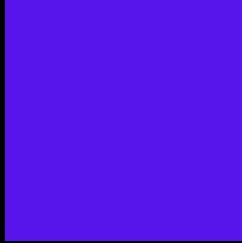
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.466, 308.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

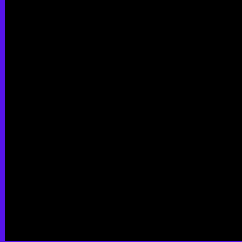
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 117.466, 308.547

Background



This preview shows how black text looks on a background with the CIELCh color 35, 117.466, 308.547.



This preview shows how white text looks on a background with the CIELCh color 35, 117.466, 308.547.

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, 117.466, 308.547

Protanopia

35, 54.423, 285.703

Deuteranopia

35, 37.577, 271.376



Tritanopia
35, 22.819, 207.830

Trichromacy



Original Color
35, 117.466, 308.547

Protanomaly
32, 82.722, 299.521

Deuteranomaly
31, 71.869, 297.297

Tritanomaly
30, 52.817, 291.552

Monochromacy



Original Color
35, 117.466, 308.547

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 50.623, 306.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 117.466, 308.547 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(87, 20, 235)` looks like.

```
.text, #text, p{  
    color:rgb(87, 20, 235)  
}
```

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(87, 20, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 20, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 117.466, 308.547 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(87, 20, 235) }
```

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

```
.border{ border-color:rgb(87, 20, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 20, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 20, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 20, 235);  
box-shadow:4px 4px 4px 4px rgb(87, 20,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 117.466, 308.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 20, 235) }
```

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

```
.background{ background-color: rgb(87, 20,  
235) }
```

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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