

Converting Colors

CIELCh(35, 117.002, 304.489)

Have a look what the booklet for
CIELCh(35, 117.002, 304.489)
contains.

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Color

CIELCh(35, 117.176, 304.517)

Conversions

Conversions Part 1

Format	Color
Hex	2829F3
RGB	40, 41, 243
RGB Percent	16%, 16%, 95%
CMY	0.8436, 0.8394, 0.0473
CMYK	0.84, 0.83, 0.00, 0.05
HSL	240°, 89%, 55%
HSV	240°, 84%, 95%
XYZ	17.8301, 8.4984, 85.4500
YIQ	63.7290, -65.4380, 62.6100

Conversions

Conversions Part 2

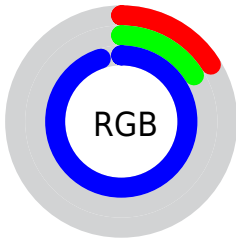
Format	Color
R_{YB}	40, 41, 243
Decimal	2632179
CIE Lab	35.00, 66.40, -96.55
CIE LCh	35, 117.176, 304.517
Yxy	8.4984, 0.1595, 0.0760
Android (android.graphics.Color)	4280822259 (0xFF2829F3)
YUV	63.7290, 88.3806, -20.8103
Hunter-Lab	29.1520, 58.1590, -153.3837

Details

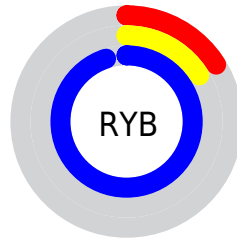
The CIELCh color **35, 117.176, 304.517** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **93, 88.233, 102.923**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 92.761, 304.622**, and **22, 105.148, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 125.782, 305.803**, and if you desaturate by 10%, it is **40, 104.362, 302.587**.

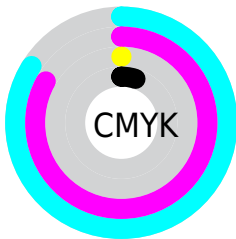
Distribution



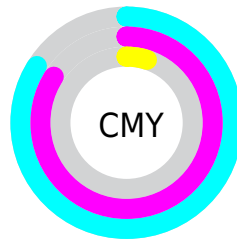
- Red (16%)
- Green (16%)
- Blue (95%)



- Red (16%)
- Yellow (16%)
- Blue (95%)



- Cyan (84%)
- Magenta (83%)
- Yellow (0%)
- Black (5%)





- Cyan (84%)
- Magenta (84%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 117.176, 304.517 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, 117.176, 304.517 by changing the saturation by 10% instead.


 35, 117.176,
304.517


 35, 117.176,
304.517


 100, 117.176,
304.517


 25, 117.176,
304.517


 55, 117.176,
304.517


 15, 117.176,
304.517


 65, 117.176,
304.517

 5, 117.176,
304.517

 75, 117.176,
304.517

 0, 117.176,
304.517

 85, 117.176,
304.517

 95, 117.176,
304.517

■ 35, 117.176,
304.517

■ 35, 117.176,
304.517

■ 32, 125.782,
305.803

■ 40, 104.362,
302.587

■ 31, 128.786,
306.243

■ 47, 89.508,
300.361

■ 54, 74.168,
298.138

■ 62, 59.096,
296.094

■ 69, 44.563,
294.296

■ 77, 30.631,
292.752

■ 85, 17.282,
291.442

■ 93, 4.475, 290.344

100, 6.101,
109.709

Harmonies

Complementary

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



35, 117.176, 304.517



93, 88.233, 102.923

Rectangle

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



35, 117.176, 304.517



35, 117.176, 354.517



35, 117.176, 124.517



35, 117.176, 174.517

Sweetspot

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



35, 117.178, 304.518



80, 33.879, 292.965



87, 47.321, 194.258



39, 23.288, 293.494



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, 117.178, 304.518



32, 133.611, 306.245



43, 111.211, 312.118



47, 7.217, 290.966



22, 105.393, 306.225



3, 39.760, 299.686

Inverse Universe

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



53, 89.125, 35.216



53, 104.365, 39.855



87, 97.455, 126.133



48, 5.079, 19.518



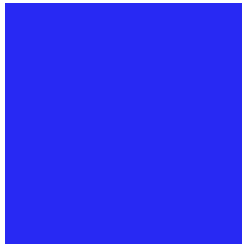
39, 82.306, 39.785



8, 30.990, 24.800

Previews

White Background



This preview shows how the CIELCh color 35, 117.176, 304.517 looks on a white background.

Color Contrast Check

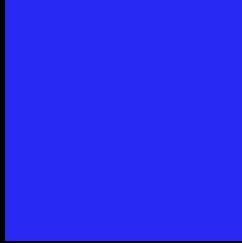
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.176, 304.517 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, 117.176, 304.517

Background



This preview shows how black text looks on a background with the CIELCh color 35, 117.176, 304.517.



This preview shows how white text looks on a background with the CIELCh color 35, 117.176, 304.517.

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, 117.176, 304.517

Protanopia

35, 53.917, 285.681

Deuteranopia

34, 37.051, 271.109



Tritanopia
35, 23.060, 202.832

Trichromacy



Original Color
35, 117.176, 304.517

Protanomaly
33, 79.024, 296.940

Deuteranomaly
33, 67.995, 293.942

Tritanomaly
32, 48.364, 285.273

Monochromacy



Original Color
35, 117.176, 304.517

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 47.079, 298.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 117.176, 304.517 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(40, 41, 243)` looks like.

```
.text, #text, p{  
    color:rgb(40, 41, 243)  
}
```

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(40, 41, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 41, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 117.176, 304.517 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(40, 41, 243) }
```

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

```
.border{ border-color:rgb(40, 41, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 41, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 41, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 41, 243);  
box-shadow:4px 4px 4px 4px rgb(40, 41,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 117.176, 304.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 41, 243) }
```

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

```
.background{ background-color: rgb(40, 41,  
243) }
```

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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