

Converting Colors

CIELCh(35, 109.750, 303.968)

Have a look what the booklet for
CIELCh(35, 109.750, 303.968)
contains.

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Color

CIELCh(35, 109.479, 303.939)

Conversions

Conversions Part 1

Format	Color
Hex	2F2FE9
RGB	47, 47, 233
RGB Percent	18%, 18%, 91%
CMY	0.8166, 0.8161, 0.0868
CMYK	0.80, 0.80, 0.00, 0.09
HSL	240°, 81%, 55%
HSV	240°, 80%, 91%
XYZ	16.8624, 8.4984, 77.7444
YIQ	68.2040, -59.7060, 57.8460

Conversions

Conversions Part 2

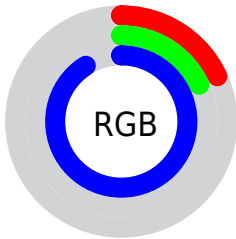
Format	Color
R _{YB}	47, 47, 233
Decimal	3092457
CIE Lab	35.00, 61.12, -90.83
CIE LCh	35, 109.479, 303.939
Yxy	8.4984, 0.1635, 0.0824
Android (android.graphics.Color)	4281282537 (0xFF2F2FE9)
YUV	68.2040, 81.2444, -18.5959
Hunter-Lab	29.1520, 52.2338, -137.7120

Details

The CIELCh color **35, 109.479, 303.939** 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 **90, 83.692, 103.337**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 90.426, 303.960**, and **21, 101.326, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 119.489, 305.467**, and if you desaturate by 10%, it is **41, 96.132, 301.885**.

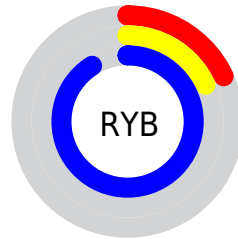
Distribution



Red (18%)

Green (18%)

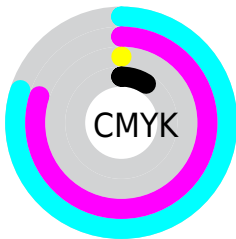
Blue (91%)



Red (18%)

Yellow (18%)

Blue (91%)

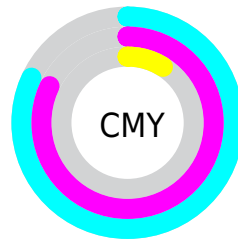


Cyan (80%)

Magenta (80%)

Yellow (0%)

Black (9%)



Cyan (82%)


Magenta (82%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 109.479, 303.939 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, 109.479, 303.939 by changing the saturation by 10% instead.


 35, 109.479,
303.939


 35, 109.479,
303.939


 100, 109.479,
303.939


 25, 109.479,
303.939


 55, 109.479,
303.939


 15, 109.479,
303.939


 65, 109.479,
303.939

 5, 109.479,
303.939

 75, 109.479,
303.939

 0, 109.479,
303.939

 85, 109.479,
303.939

 95, 109.479,
303.939

■ 35, 109.479,
303.939

■ 35, 109.479,
303.939

■ 31, 119.489,
305.467

■ 41, 96.132,
301.885

■ 29, 124.871,
306.276

■ 47, 81.432,
299.653

■ 29, 124.910,
306.282

■ 54, 66.589,
297.499


■ 62, 52.134,
295.555

■ 69, 38.236,
293.862

■ 77, 24.921,
292.415

■ 85, 12.158,
291.191

■ 92, 0.091, 109.354

 99, 11.202,
109.330

Harmonies

Complementary

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



35, 109.479, 303.939



90, 83.692, 103.337

Rectangle

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



35, 109.479, 303.939



35, 109.479, 353.939



35, 109.479, 123.939



35, 109.479, 173.939

Sweetspot

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



35, 109.481, 303.940



80, 32.614, 292.995



84, 45.135, 194.371



40, 22.577, 293.521



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, 109.481, 303.940



33, 132.072, 306.043



43, 104.244, 312.147



45, 7.002, 291.141



21, 103.447, 306.280



2, 35.719, 297.740

Inverse Universe

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



51, 82.814, 34.061



53, 102.559, 39.195



84, 91.788, 125.933



46, 4.905, 19.888



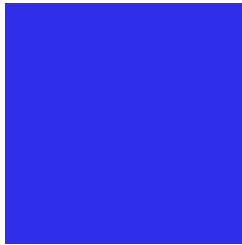
38, 80.820, 39.961



7, 28.533, 22.691

Previews

White Background



This preview shows how the CIELCh color 35, 109.479, 303.939 looks on a white background.

Color Contrast Check

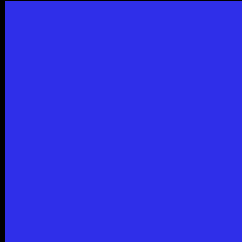
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.479, 303.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

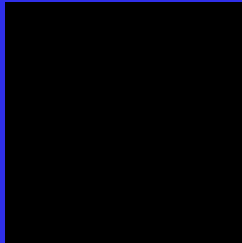
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 109.479, 303.939

Background



This preview shows how black text looks on a background with the CIELCh color 35, 109.479, 303.939.



This preview shows how white text looks on a background with the CIELCh color 35, 109.479, 303.939.

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, 109.479, 303.939

Protanopia

35, 53.917, 285.681

Deuteranopia

35, 37.575, 271.733



Tritanopia
35, 23.060, 202.832

Trichromacy



Original Color
35, 109.479, 303.939

Protanomaly
34, 76.018, 296.092

Deuteranomaly
33, 64.240, 292.391

Tritanomaly
32, 44.735, 282.723

Monochromacy



Original Color
35, 109.479, 303.939

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 43.614, 297.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 109.479, 303.939 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(47, 47, 233)` looks like.

```
.text, #text, p{  
  color:rgb(47, 47, 233)  
}
```

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(47, 47, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 47, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 109.479, 303.939 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(47, 47, 233) }
```

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

```
.border{ border-color:rgb(47, 47, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 47, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 47, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 47, 233);  
box-shadow:4px 4px 4px 4px rgb(47, 47,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 109.479, 303.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 47, 233) }
```

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

```
.background{ background-color: rgb(47, 47,  
233) }
```

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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