

Converting Colors

CIELCh(35, 123.453, 308.955)

Have a look what the booklet for
CIELCh(35, 123.453, 308.955)
contains.

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Color

CIELCh(35, 123.444, 308.960)

Conversions

Conversions Part 1

Format	Color
Hex	5702F2
RGB	87, 2, 242
RGB Percent	34%, 1%, 95%
CMY	0.6583, 0.9913, 0.0506
CMYK	0.64, 0.99, 0.00, 0.05
HSL	261°, 98%, 48%
HSV	261°, 99%, 95%
XYZ	20.0103, 8.4984, 84.6743
YIQ	54.7750, -26.3800, 92.6600

Conversions

Conversions Part 2

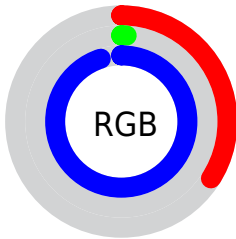
Format	Color
RYB	87, 2, 242
Decimal	5702386
CIELab	35.00, 77.62, -95.99
CIELCh	35, 123.444, 308.960
Yxy	8.4984, 0.1768, 0.0751
Android (android.graphics.Color)	4283892466 (0xFF5702F2)
YUV	54.7750, 92.3019, 28.2613
Hunter-Lab	29.1520, 71.5090, -151.8062

Details

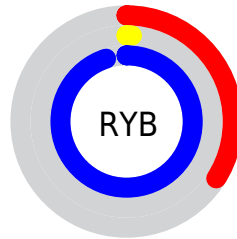
The CIELCh color **35, 123.444, 308.960** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **87, 99.891, 122.547**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 101.113, 311.049**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 123.896, 308.930**, and if you desaturate by 10%, it is **38, 117.685, 309.287**.

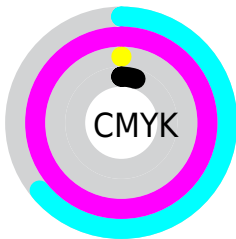
Distribution



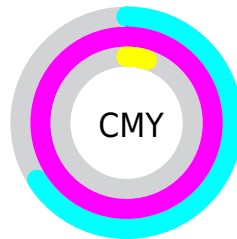
- Red (34%)
- Green (1%)
- Blue (95%)



- Red (34%)
- Yellow (1%)
- Blue (95%)



- Cyan (64%)
- Magenta (99%)
- Yellow (0%)
- Black (5%)





- Cyan (66%)
- Magenta (99%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 123.444, 308.960 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, 123.444, 308.960 by changing the saturation by 10% instead.


 35, 123.444,
308.960


 35, 123.444,
308.960


 100, 123.444,
308.960


 25, 123.444,
308.960


 55, 123.444,
308.960


 15, 123.444,
308.960


 65, 123.444,
308.960

 5, 123.444,
308.960

 75, 123.444,
308.960

 0, 123.444,
308.960

 85, 123.444,
308.960

 95, 123.444,
308.960

■ 35, 123.444,
308.960

■ 35, 123.444,
308.960

■ 35, 123.896,
308.930

■ 38, 117.685,
309.287

■ 42, 108.263,
309.149

■ 48, 96.045,
308.645

■ 54, 82.274,
307.937

■ 61, 67.872,
307.148

■ 67, 53.396,
306.357

■ 75, 39.147,
305.608

■ 82, 25.271,

304.922

■ 89, 11.830,
304.305

Harmonies

Complementary

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



35, 123.444, 308.960



87, 99.891, 122.547

Rectangle

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



35, 123.444, 308.960



35, 123.444, 358.960



35, 123.444, 128.960



35, 123.444, 178.960

Sweetspot

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



35, 123.446, 308.961



77, 42.179, 305.680



62, 51.603, 265.340



38, 28.963, 305.992



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, 123.446, 308.961



37, 128.905, 308.902



51, 112.305, 322.439



46, 7.344, 304.327



25, 100.470, 309.102



4, 39.015, 307.549

Inverse Universe

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



53, 85.667, 349.312



56, 89.066, 349.628



84, 113.787, 135.283



47, 6.713, 337.207



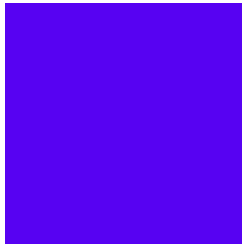
40, 69.860, 349.046



9, 31.392, 345.234

Previews

White Background



This preview shows how the CIELCh color 35, 123.444, 308.960 looks on a white background.

Color Contrast Check

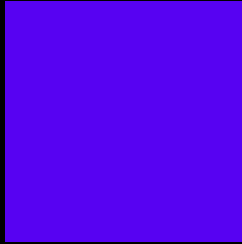
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.444, 308.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

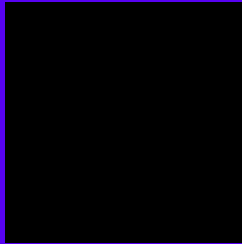
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 123.444, 308.960

Background



This preview shows how black text looks on a background with the CIELCh color 35, 123.444, 308.960.



This preview shows how white text looks on a background with the CIELCh color 35, 123.444, 308.960.

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, 123.444, 308.960

Protanopia

35, 55.569, 286.264

Deuteranopia

35, 38.102, 271.635



Tritanopia
35, 22.996, 207.719

Trichromacy



Original Color
35, 123.444, 308.960

Protanomaly
31, 88.555, 301.126

Deuteranomaly
30, 77.384, 299.121

Tritanomaly
29, 58.705, 294.876

Monochromacy



Original Color
35, 123.444, 308.960

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 56.677, 308.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 123.444, 308.960 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, 2, 242)` looks like.

```
.text, #text, p{  
    color:rgb(87, 2, 242)  
}
```

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, 2, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 2, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 123.444, 308.960 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, 2, 242) }
```

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

```
.border{ border-color:rgb(87, 2, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 2, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 2, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 2, 242);  
box-shadow:4px 4px 4px 4px rgb(87, 2, 242)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 123.444, 308.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 2, 242) }
```

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

```
.background{ background-color: rgb(87, 2,  
242) }
```

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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