

Converting Colors

CIELCh(35, 117.055, 310.346)

Have a look what the booklet for
CIELCh(35, 117.055, 310.346)
contains.

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Color

CIELCh(35, 116.942, 310.309)

Conversions

Conversions Part 1

Format	Color
Hex	6402E6
RGB	100, 2, 230
RGB Percent	39%, 1%, 90%
CMY	0.6070, 0.9905, 0.0973
CMYK	0.56, 0.99, 0.00, 0.10
HSL	266°, 98%, 46%
HSV	266°, 99%, 90%
XYZ	19.6158, 8.4984, 75.6098
YIQ	57.2940, -14.7800, 91.6840

Conversions

Conversions Part 2

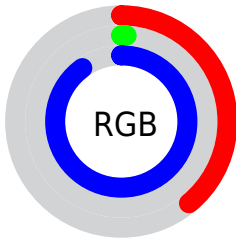
Format	Color
RYB	100, 2, 230
Decimal	6554342
CIELab	35.00, 75.65, -89.18
CIElCh	35, 116.942, 310.309
Yxy	8.4984, 0.1891, 0.0819
Android (android.graphics.Color)	4284744422 (0xFF6402E6)
YUV	57.2940, 85.1441, 37.4532
Hunter-Lab	29.1520, 69.0931, -133.3706

Details

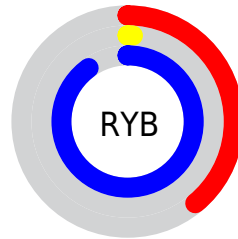
The CIELCh color **35, 116.942, 310.309** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **83, 98.511, 125.627**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 100.374, 312.301**, and **20, 100.044, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 117.432, 310.259**, and if you desaturate by 10%, it is **38, 111.600, 310.781**.

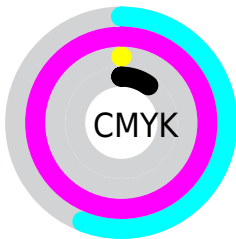
Distribution



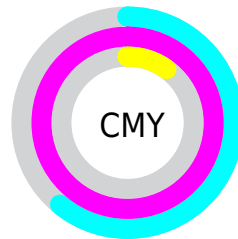
- Red (39%)
- Green (1%)
- Blue (90%)



- Red (39%)
- Yellow (1%)
- Blue (90%)



- Cyan (56%)
- Magenta (99%)
- Yellow (0%)
- Black (10%)





- Cyan (61%)
- Magenta (99%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 116.942, 310.309 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, 116.942, 310.309 by changing the saturation by 10% instead.


 35, 116.942,
310.309


 35, 116.942,
310.309


 100, 116.942,
310.309


 25, 116.942,
310.309


 55, 116.942,
310.309


 15, 116.942,
310.309


 65, 116.942,
310.309

 5, 116.942,
310.309

 75, 116.942,
310.309

 0, 116.942,
310.309

 85, 116.942,
310.309

 95, 116.942,
310.309

■ 35, 116.942,
310.309

■ 35, 116.942,
310.309

■ 35, 117.432,
310.259

■ 38, 111.600,
310.781

■ 42, 102.965,
310.829

■ 47, 91.689,
310.528

■ 52, 78.832,
310.016

■ 59, 65.230,
309.401

■ 65, 51.429,
308.756

■ 72, 37.746,
308.126

■ 79, 24.351,

307.535

■ 85, 11.326,
306.991

Harmonies

Complementary

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



35, 116.942, 310.309



83, 98.511, 125.627

Rectangle

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



35, 116.942, 310.309



35, 116.942, 0.309



35, 116.942, 130.309



35, 116.942, 180.309

Sweetspot

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



35, 116.943, 310.310



78, 42.570, 308.201



55, 56.553, 274.846



38, 29.205, 308.466



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, 116.943, 310.310



39, 126.967, 310.198



51, 107.317, 324.965



45, 7.175, 307.018



26, 96.895, 310.440



4, 35.194, 308.542

Inverse Universe

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



50, 79.691, 355.667



55, 86.094, 356.240



80, 110.154, 135.734



45, 6.142, 340.734



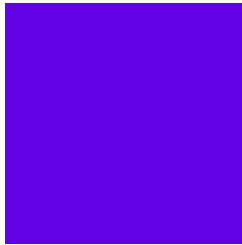
39, 66.102, 355.382



7, 28.438, 349.793

Previews

White Background



This preview shows how the CIELCh color 35, 116.942, 310.309 looks on a white background.

Color Contrast Check

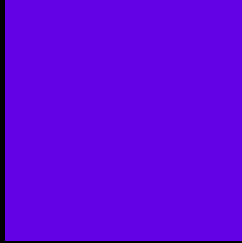
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.942, 310.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

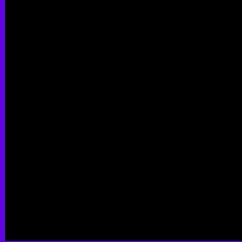
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 116.942, 310.309

Background



This preview shows how black text looks on a background with the CIELCh color 35, 116.942, 310.309.



This preview shows how white text looks on a background with the CIELCh color 35, 116.942, 310.309.

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, 116.942, 310.309

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.626, 272.232



Tritanopia
36, 14.652, 215.132

Trichromacy



Original Color
35, 116.942, 310.309

Protanomaly
31, 86.327, 301.144

Deuteranomaly
30, 75.065, 299.111

Tritanomaly
30, 55.140, 301.751

Monochromacy



Original Color
35, 116.942, 310.309

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 54.176, 310.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 116.942, 310.309 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(100, 2, 230)` looks like.

```
.text, #text, p{  
  color:rgb(100, 2, 230)  
}
```

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(100, 2, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 2, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 116.942, 310.309 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(100, 2, 230) }
```

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

```
.border{ border-color:rgb(100, 2, 230) }
```

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

Here you see how a box with a 4 pixel rgb(100, 2, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 2, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 2, 230);  
box-shadow:4px 4px 4px 4px rgb(100, 2,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 116.942, 310.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 2, 230) }
```

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

```
.background{ background-color: rgb(100, 2,  
230) }
```

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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