

Converting Colors

CIELCh(35, 94.137, 100.743)

Have a look what the booklet for
CIELCh(35, 94.137, 100.743)
contains.

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Color

CIELCh(35, 45.039, 109.911)

Conversions

Conversions Part 1

Format	Color
Hex	4D5800
RGB	77, 88, 0
RGB Percent	30%, 35%, 0%
CMY	0.6992, 0.6560, 1.0000
CMYK	0.13, 0.00, 1.00, 0.66
HSL	68°, 100%, 17%
HSV	68°, 100%, 34%
XYZ	6.5019, 8.4984, 1.2892
YIQ	74.6790, 21.6920, -29.7000

Conversions

Conversions Part 2

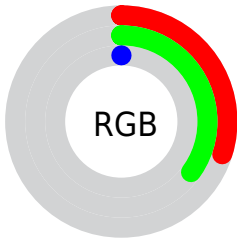
Format	Color
RYB	0, 88, 11
Decimal	5068800
CIELab	35.00, -15.34, 42.35
CIElCh	35, 45.039, 109.911
Yxy	8.4984, 0.3991, 0.5217
Android (android.graphics.Color)	4283258880 (0xFF4D5800)
YUV	74.6790, -36.8167, 2.0355
Hunter-Lab	29.1520, -11.2045, 17.7844

Details

The CIELCh color **35, 45.039, 109.911** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **7, 60.440, 307.058**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 45.022, 109.991**, and **15, 26.251, 122.936** is the 20% darker color. If you saturate the color by 10%, you get **35, 44.944, 109.941**, and if you desaturate by 10%, it is **35, 42.190, 110.044**.

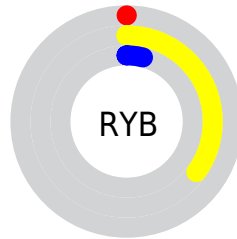
Distribution



Red (30%)

Green (35%)

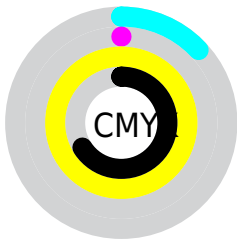
Blue (0%)



Red (0%)

Yellow (35%)

Blue (4%)

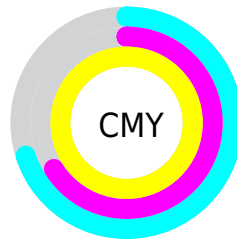


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (66%)



Cyan (70%)


Magenta (66%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 45.039, 109.911 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, 45.039, 109.911 by changing the saturation by 10% instead.


 35, 45.039,
109.911


 35, 45.039,
109.911

 100, 45.039,
109.911


 25, 45.039,
109.911

 55, 45.039,
109.911


 15, 45.039,
109.911


 65, 45.039,
109.911

 5, 45.039, 109.911

 75, 45.039,
109.911

 0, 45.039, 109.911

 85, 45.039,
109.911

 95, 45.039,
109.911

■ 35, 45.039,
109.911

■ 35, 45.039,
109.911

■ 35, 44.944,
109.941

■ 35, 42.190,
110.044

■ 35, 39.279,
110.158

■ 35, 35.548,
110.489

■ 36, 31.201,
110.981

■ 36, 26.430,
111.582

■ 36, 21.380,
112.251

■ 36, 16.153,
112.957

■ 37, 10.817,

113.679

■ 37, 5.420, 114.399

Harmonies

Complementary

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



35, 45.039, 109.911



7, 60.440, 307.058

Rectangle

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



35, 45.039, 109.911



35, 45.039, 159.911



35, 45.039, 289.911



35, 45.039, 339.911

Sweetspot

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



35, 44.944, 109.941



47, 20.145, 112.885



17, 42.484, 37.645



24, 13.829, 112.693



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35, 44.944, 109.941



46, 54.298, 110.172



32, 51.250, 130.226



18, 3.004, 114.487



43, 51.694, 110.117



88, 92.013, 110.588

Inverse Universe

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



7, 60.440, 307.058



11, 73.428, 306.965



13, 55.605, 315.670



16, 3.061, 295.763



10, 69.869, 307.010



30, 124.851, 306.675

Previews

White Background



This preview shows how the CIELCh color 35, 45.039, 109.911 looks on a white background.

Color Contrast Check

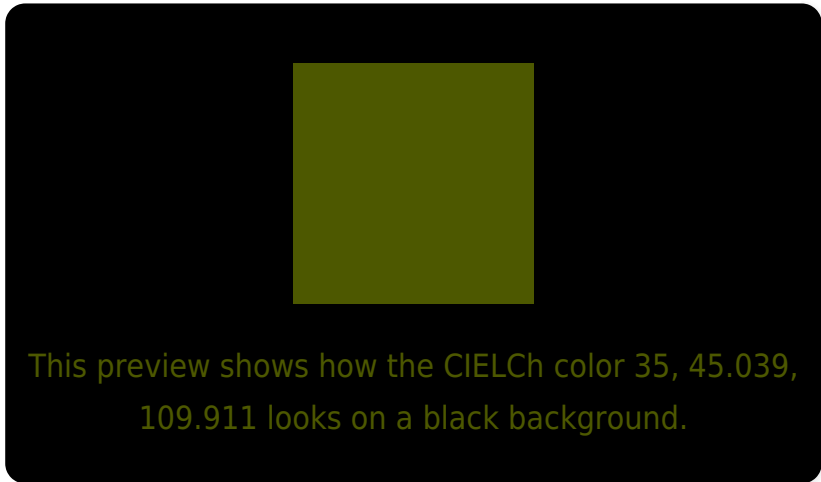
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

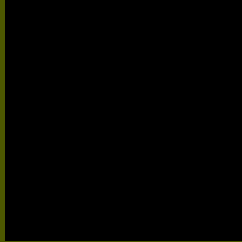
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 45.039, 109.911

Background



This preview shows how black text looks on a background with the CIELCh color 35, 45.039, 109.911.



This preview shows how white text looks on a background with the CIELCh color 35, 45.039, 109.911.

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, 45.039, 109.911

Protanopia

35, 43.191, 95.955

Deuteranopia

35, 38.667, 83.224



Tritanopia
35, 3.776, 297.169

Trichromacy



Original Color
35, 45.039, 109.911

Protanomaly
35, 43.573, 101.500

Deuteranomaly
35, 39.779, 94.400

Tritanomaly
35, 17.257, 111.935

Monochromacy



Original Color
35, 45.039, 109.911

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 19.851, 112.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 45.039, 109.911 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(77, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 88, 0)  
}
```

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(77, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 88, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 45.039, 109.911 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(77, 88, 0) }
```

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

```
.border{ border-color:rgb(77, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 88, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(77, 88, 0); box-shadow:4px  
4px 4px 4px rgb(77, 88, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 45.039, 109.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 88, 0) }
```

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

```
.background{ background-color: rgb(77, 88,  
0) }
```

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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