

Converting Colors

CIELCh(35, 50.114, 305.140)

Have a look what the booklet for
CIELCh(35, 50.114, 305.140)
contains.

CIELCh(35, 50.114, 305.140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 50.114, 305.140)

Conversions

Conversions Part 1

Format	Color
Hex	5A4494
RGB	90, 68, 148
RGB Percent	35%, 27%, 58%
CMY	0.6460, 0.7324, 0.4185
CMYK	0.39, 0.54, 0.00, 0.42
HSL	257°, 37%, 42%
HSV	257°, 54%, 58%
XYZ	11.6925, 8.4984, 29.1573
YIQ	83.6980, -12.5680, 29.5440

Conversions

Conversions Part 2

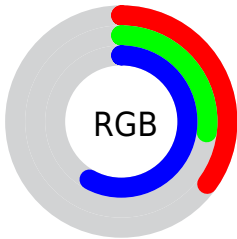
Format	Color
R_{YB}	90, 68, 148
Decimal	5915796
CIE _{Lab}	35.00, 28.84, -40.98
CIE _{LCh}	35, 50.114, 305.140
Yxy	8.4984, 0.2369, 0.1722
Android (android.graphics.Color)	4284105876 (0xFF5A4494)
YUV	83.6980, 31.7009, 5.5269
Hunter-Lab	29.1520, 20.5784, -38.8943

Details

The CIELCh color **35, 50.114, 305.140** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 44.359, 117.825**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 50.174, 304.963**, and **15, 50.717, 305.165** is the 20% darker color. If you saturate the color by 10%, you get **30, 59.897, 306.117**, and if you desaturate by 10%, it is **40, 40.290, 304.179**.

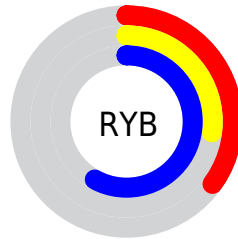
Distribution



Red (35%)

Green (27%)

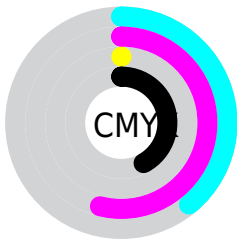
Blue (58%)



Red (35%)

Yellow (27%)

Blue (58%)

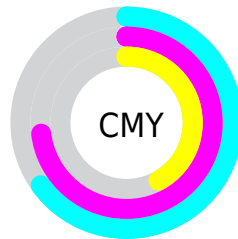


Cyan (39%)

Magenta (54%)

Yellow (0%)

Black (42%)



Cyan (65%)


Magenta (73%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 50.114, 305.140 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, 50.114, 305.140 by changing the saturation by 10% instead.


 35, 50.114,
305.140


 35, 50.114,
305.140

 100, 50.114,
305.140


 25, 50.114,
305.140

 55, 50.114,
305.140


 15, 50.114,
305.140


 65, 50.114,
305.140

 5, 50.114, 305.140

 75, 50.114,
305.140

 0, 50.114, 305.140

 85, 50.114,
305.140

 95, 50.114,
305.140

■ 35, 50.114,
305.140

■ 35, 50.114,
305.140

■ 30, 59.897,
306.117

■ 40, 40.290,
304.179

■ 26, 69.236,
307.019

■ 45, 30.637,
303.279

■ 23, 77.452,
307.707

■ 50, 21.252,
302.463

■ 20, 83.638,
308.006

■ 55, 12.173,
301.735

■ 18, 86.857,
308.169

■ 59, 3.406, 301.090

■ 64, 5.054, 120.547

■ 69, 13.222,
120.059

■ 74, 21.113,
119.639

■ 79, 28.744,
119.276

Harmonies

Complementary

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



35, 50.114, 305.140



58, 44.359, 117.825

Rectangle

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



35, 50.114, 305.140



35, 50.114, 355.140



35, 50.114, 125.140



35, 50.114, 175.140

Sweetspot

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



35, 50.113, 305.140



69, 17.408, 301.899



50, 21.618, 233.503



34, 11.757, 302.029



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



35, 50.113, 305.140



39, 75.770, 306.342



40, 51.846, 319.972



29, 4.870, 301.418



17, 82.232, 308.228



0, 4.197, 300.866

Inverse Universe

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



41, 44.658, 337.285



50, 64.244, 338.447



56, 50.554, 134.870



29, 4.763, 333.866



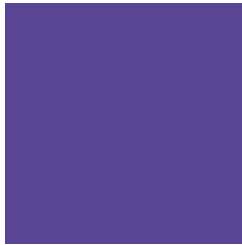
30, 59.591, 342.644



1, 4.137, 333.302

Previews

White Background



This preview shows how the CIELCh color 35, 50.114, 305.140 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 CIE LCh color 35, 50.114, 305.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

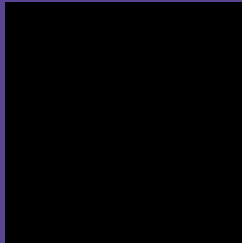
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 50.114, 305.140

Background



This preview shows how black text looks on a background with the CIELCh color 35, 50.114, 305.140.



This preview shows how white text looks on a background with the CIELCh color 35, 50.114, 305.140.

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, 50.114, 305.140

Protanopia

35, 49.948, 286.530

Deuteranopia

35, 39.057, 277.351



Tritanopia
35, 4.955, 261.332

Trichromacy



Original Color
35, 50.114, 305.140

Protanomaly
35, 49.766, 291.584

Deuteranomaly
34, 42.590, 287.418

Tritanomaly
35, 20.744, 297.635

Monochromacy



Original Color
35, 50.114, 305.140

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 18.458, 302.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 50.114, 305.140 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(90, 68, 148)` looks like.

```
.text, #text, p{  
    color:rgb(90, 68, 148)  
}
```

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(90, 68, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 68, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 50.114, 305.140 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(90, 68, 148) }
```

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

```
.border{ border-color:rgb(90, 68, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 68, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 68, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 68, 148);  
box-shadow:4px 4px 4px 4px rgb(90, 68,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 50.114, 305.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 68, 148) }
```

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

```
.background{ background-color: rgb(90, 68,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor