

Converting Colors

CIELCh(35, 60.456, 7.117)

Have a look what the booklet for
CIELCh(35, 60.456, 7.117) contains.

CIELCh(35, 60.597, 7.307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 60.597, 7.307)

Conversions

Conversions Part 1

Format	Color
Hex	A50249
RGB	165, 2, 73
RGB Percent	65%, 1%, 29%
CMY	0.3540, 0.9907, 0.7146
CMYK	0.00, 0.99, 0.56, 0.35
HSL	334°, 97%, 33%
HSV	334°, 99%, 65%
XYZ	16.6797, 8.4984, 7.0272
YIQ	58.8310, 74.3570, 56.6370

Conversions

Conversions Part 2

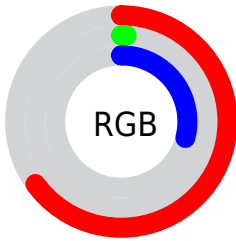
Format	Color
R_{YB}	165, 2, 73
Decimal	10814025
CIE Lab	35.00, 60.10, 7.71
CIE LCh	35, 60.597, 7.307
Yxy	8.4984, 0.5179, 0.2639
Android (android.graphics.Color)	4289004105 (0xFFA50249)
YUV	58.8310, 6.9853, 93.1102
Hunter-Lab	29.1520, 51.1151, 6.1143

Details

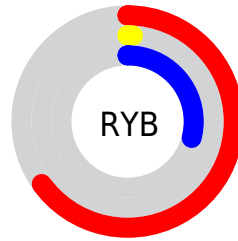
The CIELCh color **35, 60.597, 7.307** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **60, 59.024, 153.247**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 61.014, 7.358**, and **21, 45.585, 19.401** is the 20% darker color. If you saturate the color by 10%, you get **35, 60.889, 7.922**, and if you desaturate by 10%, it is **36, 58.580, 3.084**.

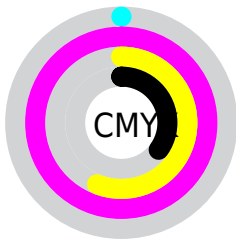
Distribution



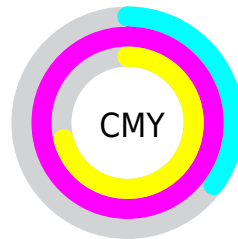
- Red (65%)
- Green (1%)
- Blue (29%)



- Red (65%)
- Yellow (1%)
- Blue (29%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (35%)



- Cyan (35%)
- Magenta (99%)
- Yellow (71%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 60.597, 7.307 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, 60.597, 7.307 by changing the saturation by 10% instead.

 35, 60.597, 7.307

 35, 60.597, 7.307

 100, 60.597, 7.307

 25, 60.597, 7.307

 55, 60.597, 7.307

 15, 60.597, 7.307

 65, 60.597, 7.307

 5, 60.597, 7.307

 75, 60.597, 7.307

 0, 60.597, 7.307

 85, 60.597, 7.307

 95, 60.597, 7.307

 35, 60.597, 7.307

 35, 60.597, 7.307

 35, 60.889, 7.922

 36, 58.580, 3.084

 38, 55.294,

359.606

■ 40, 50.482,
356.855

■ 43, 44.383,
354.664

■ 47, 37.363,
352.886

■ 51, 29.795,
351.409

■ 55, 21.984,
350.153

■ 59, 14.152,
349.057

■ 64, 6.442, 348.068

Harmonies

Complementary

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



35, 60.597, 7.307



60, 59.024, 153.247

Rectangle

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



35, 60.597, 7.307



35, 60.597, 57.307



35, 60.597, 187.307



35, 60.597, 237.307

Sweetspot

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



35, 60.594, 7.309



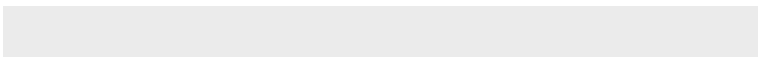
69, 28.633, 350.389



27, 88.334, 313.253



34, 19.536, 350.881



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



35, 60.594, 7.309



46, 74.085, 8.930



34, 73.723, 40.055



32, 4.229, 348.136



30, 55.540, 7.358



1, 6.329, 349.851

Inverse Universe

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



35, 60.594, 7.309



46, 74.085, 8.930



59, 33.762, 204.510



32, 4.229, 348.136



30, 55.540, 7.358



1, 6.329, 349.851

Previews

White Background



This preview shows how the CIELCh color 35, 60.597, 7.307 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, 60.597, 7.307 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, 60.597, 7.307

Background



This preview shows how black text looks on a background with the CIELCh color 35, 60.597, 7.307.



This preview shows how white text looks on a background with the CIELCh color 35, 60.597, 7.307.

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, 60.714, 7.235

Protanopia

36, 13.706, 286.023

Deuteranopia

36, 13.121, 68.375



Tritanopia
35, 64.033, 34.640

Trichromacy



Original Color
35, 60.714, 7.235

Protanomaly
31, 33.302, 337.977

Deuteranomaly
32, 32.964, 10.493

Tritanomaly
35, 61.811, 25.316

Monochromacy



Original Color
35, 60.714, 7.235

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 29.998, 354.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 60.597, 7.307 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(165, 2, 73)` looks like.

```
.text, #text, p{  
    color:rgb(165, 2, 73)  
}
```

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(165, 2, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 2, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 60.597, 7.307 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(165, 2, 73) }
```

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

```
.border{ border-color:rgb(165, 2, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 2, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 2, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 2, 73);  
box-shadow:4px 4px 4px 4px rgb(165, 2, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 60.597, 7.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 2, 73) }
```

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

```
.background{ background-color: rgb(165, 2,  
73) }
```

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