

Converting Colors

CIELCh(35, 70.621, 37.879)

Have a look what the booklet for
CIELCh(35, 70.621, 37.879) contains.

CIELCh(35, 70.740, 37.759)	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, 70.740, 37.759)

Conversions

Conversions Part 1

Format	Color
Hex	A6110E
RGB	166, 17, 14
RGB Percent	65%, 7%, 5%
CMY	0.3500, 0.9349, 0.9459
CMYK	0.00, 0.90, 0.92, 0.35
HSL	1°, 85%, 35%
HSV	1°, 92%, 65%
XYZ	15.9439, 8.4984, 1.2086
YIQ	61.2090, 89.7670, 30.6550

Conversions

Conversions Part 2

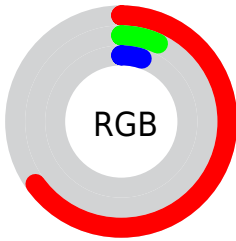
Format	Color
R_{YB}	166, 17, 14
Decimal	10883342
CIE Lab	35.00, 55.93, 43.32
CIE LCh	35, 70.740, 37.759
Yxy	8.4984, 0.6216, 0.3313
Android (android.graphics.Color)	4289073422 (0xFFA6110E)
YUV	61.2090, -23.2740, 91.9017
Hunter-Lab	29.1520, 46.6098, 17.9483

Details

The CIELCh color **35, 70.740, 37.759** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 34.906, 199.105**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 70.568, 37.718**, and **20, 51.361, 36.210** is the 20% darker color. If you saturate the color by 10%, you get **34, 75.297, 40.061**, and if you desaturate by 10%, it is **36, 63.763, 34.609**.

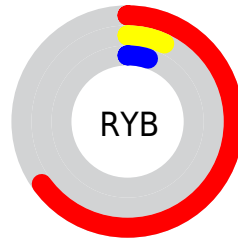
Distribution



Red (65%)

Green (7%)

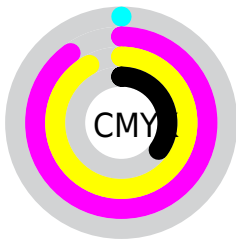
Blue (5%)



Red (65%)

Yellow (7%)

Blue (5%)

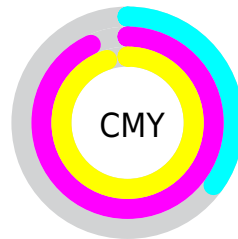


Cyan (0%)

Magenta (90%)

Yellow (92%)

Black (35%)



Cyan (35%)

Magenta (93%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 70.740, 37.759 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, 70.740, 37.759 by changing the saturation by 10% instead.

■ 35, 70.740, 37.759

■ 35, 70.740, 37.759

■ 100, 70.740,
37.759

■ 25, 70.740, 37.759

■ 55, 70.740, 37.759

■ 15, 70.740, 37.759

■ 65, 70.740, 37.759

■ 5, 70.740, 37.759

■ 75, 70.740, 37.759

■ 0, 70.740, 37.759

■ 85, 70.740, 37.759

■ 95, 70.740, 37.759

■ 35, 70.740, 37.759

■ 35, 70.740, 37.759

■ 34, 75.297, 40.061

■ 36, 63.763, 34.609

■ 39, 55.616, 31.405

■ 42, 47.043, 28.643

■ 45, 38.431, 26.429

■ 49, 30.036, 24.709

■ 53, 22.032, 23.391

■ 58, 14.513, 22.378

■ 62, 7.516, 21.581

■ 67, 1.035, 20.592

Harmonies

Complementary

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



35, 70.740, 37.759



61, 34.906, 199.105

Rectangle

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



35, 70.740, 37.759



35, 70.740, 87.759



35, 70.740, 217.759



35, 70.740, 267.759

Sweetspot

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



35, 70.737, 37.761



70, 23.718, 23.041



40, 80.964, 328.783



34, 16.597, 23.500



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, 70.737, 37.761



45, 91.442, 40.161



47, 57.580, 64.257



32, 3.564, 21.407



30, 67.809, 39.562



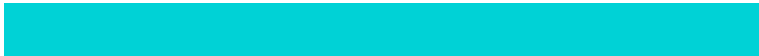
1, 5.372, 20.817

Inverse Universe

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



61, 34.906, 199.105



77, 42.801, 199.321



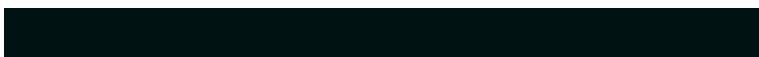
37, 49.066, 281.739



34, 3.364, 200.613



54, 32.138, 199.236



4, 5.330, 201.518

Previews

White Background



This preview shows how the CIELCh color 35, 70.740, 37.759 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, 70.740, 37.759 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, 70.740, 37.759

Background



This preview shows how black text looks on a background with the CIELCh color 35, 70.740, 37.759.



This preview shows how white text looks on a background with the CIELCh color 35, 70.740, 37.759.

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, 70.740, 37.759

Protanopia

36, 33.632, 96.735

Deuteranopia

36, 44.207, 84.948



Tritanopia
35, 71.688, 38.798

Trichromacy



Original Color
35, 70.740, 37.759

Protanomaly
32, 40.741, 55.059

Deuteranomaly
33, 50.380, 56.254

Tritanomaly
35, 71.462, 38.555

Monochromacy



Original Color
35, 70.740, 37.759

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 27.171, 26.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 70.740, 37.759 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(166, 17, 14)` looks like.

```
.text, #text, p{  
    color:rgb(166, 17, 14)  
}
```

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(166, 17, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 17, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 70.740, 37.759 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(166, 17, 14) }
```

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

```
.border{ border-color:rgb(166, 17, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 17, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 17, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 17, 14);  
box-shadow:4px 4px 4px 4px rgb(166, 17,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 70.740, 37.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 17, 14) }
```

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

```
.background{ background-color: rgb(166, 17,  
14) }
```

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