

Converting Colors

CIELCh(35, 66.588, 35.751)

Have a look what the booklet for
CIELCh(35, 66.588, 35.751) contains.

CIELCh(35, 66.403, 35.518)	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, 66.403, 35.518)

Conversions

Conversions Part 1

Format	Color
Hex	A31717
RGB	163, 23, 23
RGB Percent	64%, 9%, 9%
CMY	0.3599, 0.9085, 0.9092
CMYK	0.00, 0.86, 0.86, 0.36
HSL	0°, 75%, 37%
HSV	0°, 86%, 64%
XYZ	15.6202, 8.4984, 1.6362
YIQ	64.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

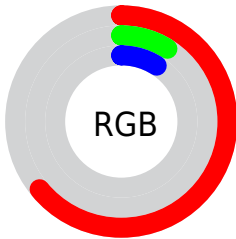
Format	Color
R_{YB}	163, 23, 23
Decimal	10688279
CIE Lab	35.00, 54.05, 38.58
CIE LCh	35, 66.403, 35.518
Yxy	8.4984, 0.6065, 0.3300
Android (android.graphics.Color)	4288878359 (0xFFA31717)
YUV	64.8600, -20.6370, 86.0688
Hunter-Lab	29.1520, 44.6277, 17.0787

Details

The CIELCh color **35, 66.403, 35.518** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 34.740, 196.628**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 66.212, 35.382**, and **19, 50.503, 35.960** is the 20% darker color. If you saturate the color by 10%, you get **34, 72.374, 38.633**, and if you desaturate by 10%, it is **37, 58.811, 32.020**.

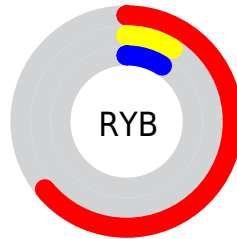
Distribution



Red (64%)

Green (9%)

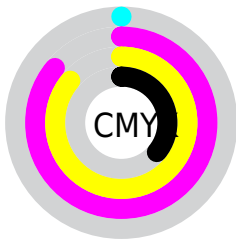
Blue (9%)



Red (64%)

Yellow (9%)

Blue (9%)

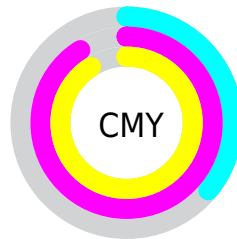


Cyan (0%)

Magenta (86%)

Yellow (86%)

Black (36%)



Cyan (36%)

Magenta (91%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 66.403, 35.518 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, 66.403, 35.518 by changing the saturation by 10% instead.

■ 35, 66.403, 35.518

■ 35, 66.403, 35.518

■ 100, 66.403,
35.518

■ 25, 66.403, 35.518

■ 55, 66.403, 35.518

■ 15, 66.403, 35.518

■ 65, 66.403, 35.518

■ 5, 66.403, 35.518

■ 75, 66.403, 35.518

■ 0, 66.403, 35.518

■ 85, 66.403, 35.518

■ 95, 66.403, 35.518

■ 35, 66.403, 35.518

■ 35, 66.403, 35.518

■ 34, 72.374, 38.633

■ 37, 58.811, 32.020

34, 74.639, 39.792

39, 50.516, 28.856

43, 41.987, 26.265

46, 33.531, 24.232

51, 25.365, 22.664

55, 17.630, 21.458

60, 10.395, 20.517

64, 3.675, 19.719

69, 2.547, 199.475

Harmonies

Complementary

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



35, 66.403, 35.518



61, 34.740, 196.628

Rectangle

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



35, 66.403, 35.518



35, 66.403, 85.518



35, 66.403, 215.518



35, 66.403, 265.518

Sweetspot

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



35, 66.401, 35.520



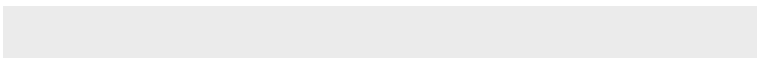
70, 21.996, 21.529



40, 79.232, 328.086



35, 15.214, 21.898



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, 66.401, 35.520



44, 90.847, 40.010



47, 54.083, 64.090



32, 3.625, 19.995



30, 68.047, 39.283



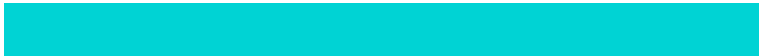
1, 5.458, 19.491

Inverse Universe

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



61, 34.740, 196.628



77, 43.471, 196.563



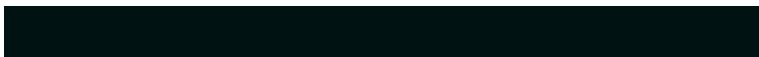
39, 44.035, 277.437



34, 3.424, 199.093



54, 32.913, 196.559



4, 5.455, 199.550

Previews

White Background



This preview shows how the CIELCh color 35, 66.403, 35.518 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, 66.403, 35.518 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, 66.403, 35.518

Background



This preview shows how black text looks on a background with the CIELCh color 35, 66.403, 35.518.



This preview shows how white text looks on a background with the CIELCh color 35, 66.403, 35.518.

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, 66.403, 35.518

Protanopia

36, 28.551, 96.271

Deuteranopia

36, 44.207, 84.948



Tritanopia
35, 66.820, 36.418

Trichromacy



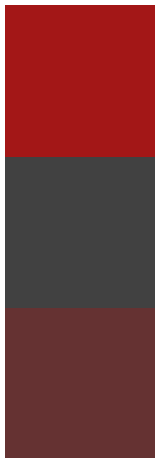
Original Color
35, 66.403, 35.518

Protanomaly
33, 36.456, 52.506

Deuteranomaly
33, 48.745, 57.041

Tritanomaly
35, 66.539, 36.056

Monochromacy



Original Color
35, 66.403, 35.518

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 25.133, 24.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 66.403, 35.518 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(163, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(163, 23, 23)  
}
```

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(163, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 23, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 66.403, 35.518 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(163, 23, 23) }
```

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

```
.border{ border-color:rgb(163, 23, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 23, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(163, 23,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 66.403, 35.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 23, 23) }
```

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

```
.background{ background-color: rgb(163, 23,  
23) }
```

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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