

Converting Colors

CIELCh(35, 11.031, 88.819)

Have a look what the booklet for
CIELCh(35, 11.031, 88.819) contains.

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Color

CIELCh(35, 11.190, 88.920)

Conversions

Conversions Part 1

Format	Color
Hex	5A5241
RGB	90, 82, 65
RGB Percent	35%, 32%, 25%
CMY	0.6488, 0.6801, 0.7467
CMYK	0.00, 0.09, 0.28, 0.65
HSL	41°, 16%, 30%
HSV	41°, 28%, 35%
XYZ	8.1007, 8.4984, 6.1516
YIQ	82.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

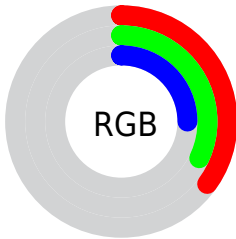
Format	Color
R_{YB}	77, 90, 65
Decimal	5919297
CIE Lab	35.00, 0.21, 11.19
CIE LCh	35, 11.190, 88.920
Yxy	8.4984, 0.3561, 0.3735
Android (android.graphics.Color)	4284109377 (0xFF5A5241)
YUV	82.4540, -8.6048, 6.6178
Hunter-Lab	29.1520, -1.4145, 7.8952




Details

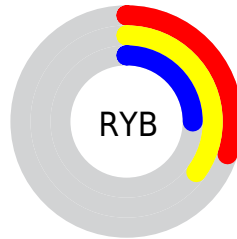
The CIELCh color **35, 11.190, 88.920** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **31, 11.173, 276.000**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **55, 10.961, 88.754**, and **15, 11.215, 87.074** is the 20% darker color. If you saturate the color by 10%, you get **34, 15.324, 87.696**, and if you desaturate by 10%, it is **36, 7.114, 90.120**.

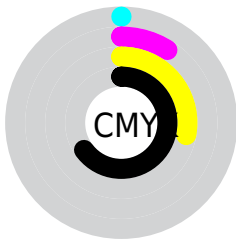
Distribution







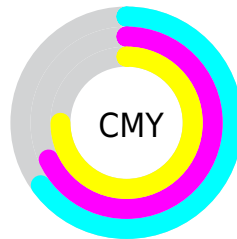
-  Red (35%)
-  Green (32%)
-  Blue (25%)






-  Red (30%)
-  Yellow (35%)
-  Blue (25%)



-  Cyan (0%)
-  Magenta (9%)
-  Yellow (28%)
-  Black (65%)



-  Cyan (65%)
-  Magenta (68%)
-  Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 11.190, 88.920 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, 11.190, 88.920 by changing the saturation by 10% instead.

■ 35, 11.190, 88.920

■ 35, 11.190, 88.920

■ 100, 11.190,
88.920

■ 25, 11.190, 88.920

■ 55, 11.190, 88.920

■ 15, 11.190, 88.920

■ 65, 11.190, 88.920

■ 5, 11.190, 88.920

■ 75, 11.190, 88.920

■ 0, 11.190, 88.920

■ 85, 11.190, 88.920

■ 95, 11.190, 88.920

■ 35, 11.190, 88.920

■ 35, 11.190, 88.920

■ 34, 15.324, 87.696

■ 36, 7.114, 90.120

■ 33, 19.487, 86.431

■ 37, 3.105, 91.261

■ 32, 23.630, 85.128

■ 38, 0.832, 272.584

■ 31, 27.661, 83.776

■ 39, 4.697, 273.539

■ 30, 31.420, 82.342

■ 41, 8.494, 274.566

■ 29, 34.658, 80.764

■ 42, 12.226,
275.557

■ 28, 37.698, 79.232

■ 43, 15.897,
276.504

■ 28, 38.365, 78.945

■ 44, 19.513,
277.406

■ 45, 23.078,
278.265

Harmonies

Complementary

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



35, 11.190, 88.920



31, 11.173, 276.000

Rectangle

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



35, 11.190, 88.920



35, 11.190, 138.920



35, 11.190, 268.920



35, 11.190, 318.920

Sweetspot

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



35, 11.191, 88.927



48, 3.937, 91.219



30, 12.344, 356.385



24, 2.773, 91.101



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, 11.191, 88.927



45, 16.625, 88.167



37, 15.347, 114.840



18, 2.254, 91.154



35, 44.451, 78.309



72, 78.171, 76.444

Inverse Universe

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



31, 11.173, 276.000



39, 16.600, 277.071



29, 16.260, 298.915



17, 2.258, 273.277



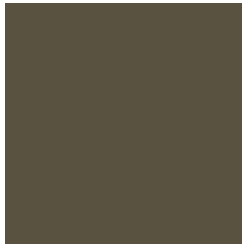
17, 51.040, 295.575



40, 96.138, 297.900

Previews

White Background



This preview shows how the CIELCh color 35, 11.190, 88.920 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, 11.190, 88.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

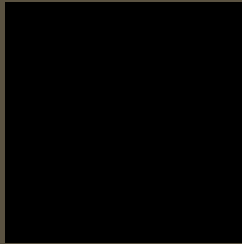
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 11.190, 88.920

Background



This preview shows how black text looks on a background with the CIELCh color 35, 11.190, 88.920.

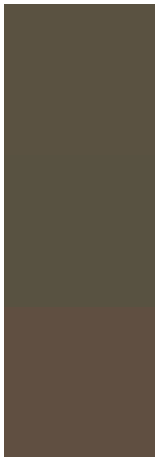


This preview shows how white text looks on a background with the CIELCh color 35, 11.190, 88.920.

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, 11.190, 88.920

Protanopia

35, 10.906, 93.564

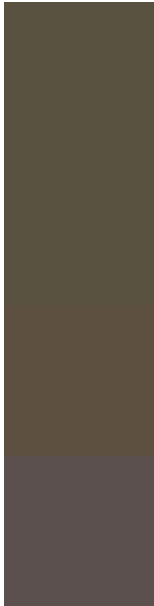
Deuteranopia

35, 11.915, 66.542



Tritanopia
35, 6.753, 346.894

Trichromacy



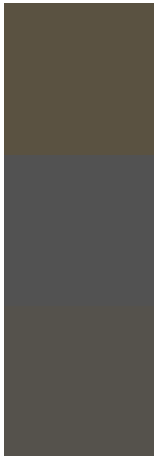
Original Color
35, 11.190, 88.920

Protanomaly
35, 11.038, 91.214

Deuteranomaly
35, 11.466, 73.645

Tritanomaly
35, 5.039, 34.270

Monochromacy



Original Color
35, 11.190, 88.920

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 3.951, 89.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 11.190, 88.920 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, 82, 65)` looks like.

```
.text, #text, p{  
    color:rgb(90, 82, 65)  
}
```

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, 82, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 82, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 11.190, 88.920 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, 82, 65) }
```

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

```
.border{ border-color:rgb(90, 82, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 82, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 82, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 82, 65);  
box-shadow:4px 4px 4px 4px rgb(90, 82, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 11.190, 88.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 82, 65) }
```

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

```
.background{ background-color: rgb(90, 82,  
65) }
```

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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