

Converting Colors

CIELCh(35, 4.248, 42.690)

Have a look what the booklet for
CIELCh(35, 4.248, 42.690) contains.

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Color

CIELCh(35, 4.169, 37.212)

Conversions

Conversions Part 1

Format	Color
Hex	59504E
RGB	89, 80, 78
RGB Percent	35%, 31%, 31%
CMY	0.6493, 0.6847, 0.6925
CMYK	0.00, 0.10, 0.12, 0.65
HSL	11°, 7%, 33%
HSV	11°, 12%, 35%
XYZ	8.4490, 8.4984, 8.4799
YIQ	82.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

Format	Color
RYB	89, 80, 78
Decimal	5853262
CIELab	35.00, 3.32, 2.52
CIELCh	35, 4.169, 37.212
Yxy	8.4984, 0.3323, 0.3342
Android (android.graphics.Color)	4284043342 (0xFF59504E)
YUV	82.4630, -2.2003, 5.7329
Hunter-Lab	29.1520, 0.7180, 3.1597

Details

The CIELCh color **35, 4.169, 37.212** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 3.877, 217.726**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 4.191, 35.555**, and **15, 3.838, 41.596** is the 20% darker color. If you saturate the color by 10%, you get **33, 7.849, 37.278**, and if you desaturate by 10%, it is **37, 0.754, 36.977**.

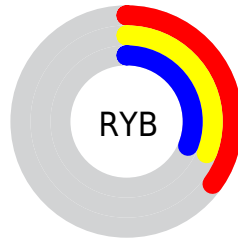
Distribution



Red (35%)

Green (31%)

Blue (31%)



Red (35%)

Yellow (31%)

Blue (31%)

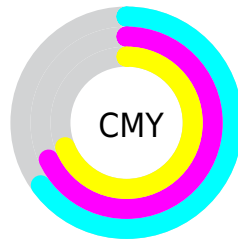


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (65%)



Cyan (65%)

Magenta (68%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 4.169, 37.212 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, 4.169, 37.212 by changing the saturation by 10% instead.

 35, 4.169, 37.212  35, 4.169, 37.212

 100, 4.169, 37.212  25, 4.169, 37.212

 55, 4.169, 37.212  15, 4.169, 37.212

 65, 4.169, 37.212  5, 4.169, 37.212

 75, 4.169, 37.212  0, 4.169, 37.212

 85, 4.169, 37.212

 95, 4.169, 37.212

 35, 4.169, 37.212  35, 4.169, 37.212

 33, 7.849, 37.278  37, 0.754, 36.977

 30, 11.815, 37.427  40, 2.419, 217.660

■ 28, 16.077, 37.721

■ 42, 5.372, 217.796

■ 26, 20.633, 38.199

■ 45, 8.130, 218.022

■ 24, 25.459, 38.889

■ 47, 10.715,
218.286

■ 22, 30.491, 39.799

■ 50, 13.146,
218.572

■ 20, 35.530, 40.760

■ 19, 39.553, 40.434

■ 52, 15.442,
218.873

■ 18, 42.264, 40.394

■ 55, 17.619,
219.183

■ 57, 19.690,
219.495

Harmonies

Complementary

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



35, 4.169, 37.212



36, 3.877, 217.726

Rectangle

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



35, 4.169, 37.212



35, 4.169, 87.212



35, 4.169, 217.212



35, 4.169, 267.212

Sweetspot

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



35, 4.168, 37.229



48, 1.641, 37.137



35, 7.429, 330.056



24, 1.157, 37.157



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, 4.168, 37.229



45, 6.428, 37.238



37, 4.801, 89.687



17, 1.913, 37.217



23, 51.021, 41.996



52, 95.089, 42.624

Inverse Universe

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



36, 3.877, 217.726



47, 5.860, 217.801



35, 4.796, 272.656



18, 1.818, 217.672



35, 23.398, 229.791



73, 41.342, 232.257

Previews

White Background



This preview shows how the CIELCh color 35, 4.169, 37.212 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, 4.169, 37.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

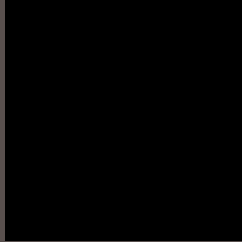
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 4.169, 37.212

Background



This preview shows how black text looks on a background with the CIELCh color 35, 4.169, 37.212.



This preview shows how white text looks on a background with the CIELCh color 35, 4.169, 37.212.

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

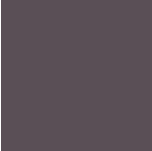
35, 4.169, 37.212

Protanopia

35, 2.270, 74.550

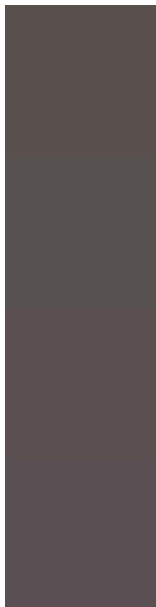
Deuteranopia

35, 5.349, 26.769



Tritanopia
35, 6.446, 337.773

Trichromacy



Original Color

35, 4.169, 37.212

Protanomaly

35, 2.906, 44.958

Deuteranomaly

35, 4.901, 27.314

Tritanomaly

35, 4.732, 356.884

Monochromacy



Original Color

35, 4.169, 37.212

Achromatopsia

35, 0.005, 296.813

Achromatomaly

35, 1.435, 45.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 4.169, 37.212 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(89, 80, 78)` looks like.

```
.text, #text, p{  
    color:rgb(89, 80, 78)  
}
```

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(89, 80, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 80, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 4.169, 37.212 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(89, 80, 78) }
```

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

```
.border{ border-color:rgb(89, 80, 78) }
```

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

Here you see how a box with a 4 pixel rgb(89, 80, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 80, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 80, 78);  
box-shadow:4px 4px 4px 4px rgb(89, 80, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 4.169, 37.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 80, 78) }
```

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

```
.background{ background-color: rgb(89, 80,  
78) }
```

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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