

Converting Colors

CIELCh(35, 17.601, 70.313)

Have a look what the booklet for
CIELCh(35, 17.601, 70.313) contains.

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Color

CIELCh(35, 17.570, 70.284)

Conversions

Conversions Part 1

Format	Color
Hex	644E38
RGB	100, 78, 56
RGB Percent	39%, 31%, 22%
CMY	0.6068, 0.6931, 0.7794
CMYK	0.00, 0.22, 0.44, 0.61
HSL	30°, 28%, 31%
HSV	30°, 44%, 39%
XYZ	8.7486, 8.4984, 4.9522
YIQ	82.0700, 20.1740, -2.1780

Conversions

Conversions Part 2

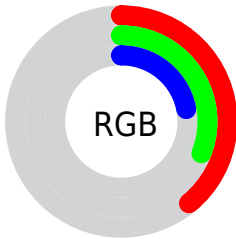
Format	Color
R_{YB}	100, 100, 56
Decimal	6573624
CIE _{Lab}	35.00, 5.93, 16.54
CIE _{LCh}	35, 17.570, 70.284
Yxy	8.4984, 0.3941, 0.3828
Android (android.graphics.Color)	4284763704 (0xFF644E38)
YUV	82.0700, -12.8525, 15.7246
Hunter-Lab	29.1520, 2.5526, 10.3344

Details

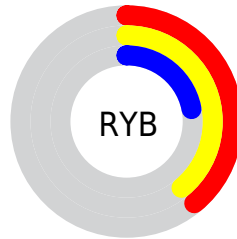
The CIELCh color **35, 17.570, 70.284** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 15.621, 262.570**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 17.660, 70.443**, and **15, 17.688, 70.412** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.031, 69.096**, and if you desaturate by 10%, it is **37, 13.272, 71.471**.

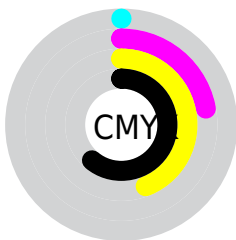
Distribution



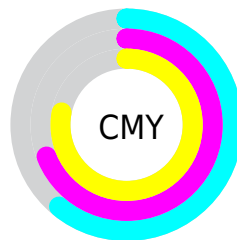
- Red (39%)
- Green (31%)
- Blue (22%)



- Red (39%)
- Yellow (39%)
- Blue (22%)



- Cyan (0%)
- Magenta (22%)
- Yellow (44%)
- Black (61%)



- Cyan (61%)
- Magenta (69%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 17.570, 70.284 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, 17.570, 70.284 by changing the saturation by 10% instead.

■ 35, 17.570, 70.284

■ 35, 17.570, 70.284

■ 100, 17.570,
70.284

■ 25, 17.570, 70.284

■ 55, 17.570, 70.284

■ 15, 17.570, 70.284

■ 65, 17.570, 70.284

■ 5, 17.570, 70.284

■ 75, 17.570, 70.284

■ 0, 17.570, 70.284

■ 85, 17.570, 70.284

■ 95, 17.570, 70.284

■ 35, 17.570, 70.284

■ 35, 17.570, 70.284

■ 33, 22.031, 69.096

■ 37, 13.272, 71.471

■ 32, 26.609, 67.875

■ 38, 9.152, 72.640

■ 30, 31.203, 66.587

■ 40, 5.208, 73.786

■ 29, 35.606, 65.137

■ 42, 1.430, 74.819

■ 28, 39.554, 63.435

■ 44, 2.195, 256.198

■ 27, 41.907, 62.518

■ 45, 5.681, 257.229

■ 47, 9.043, 258.273

■ 49, 12.293,
259.288

■ 51, 15.444,
260.267

Harmonies

Complementary

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



35, 17.570, 70.284



32, 15.621, 262.570

Rectangle

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



35, 17.570, 70.284



35, 17.570, 120.284



35, 17.570, 250.284



35, 17.570, 300.284

Sweetspot

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



35, 17.570, 70.290



52, 6.020, 73.846



30, 23.593, 346.794



26, 4.261, 73.657



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



35, 17.570, 70.290



43, 26.853, 69.021



41, 25.566, 105.503



20, 2.108, 74.334



31, 46.809, 62.254



64, 82.289, 59.894

Inverse Universe

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



32, 15.621, 262.570



39, 23.148, 265.201



26, 28.362, 295.135



20, 2.069, 256.559



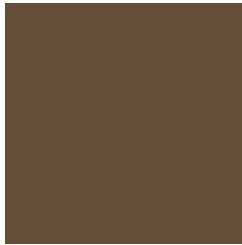
24, 38.423, 281.963



52, 70.656, 284.892

Previews

White Background



This preview shows how the CIELCh color 35, 17.570, 70.284 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, 17.570, 70.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

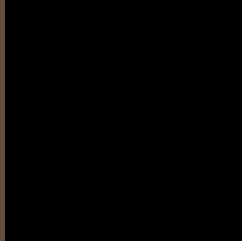
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 17.570, 70.284

Background



This preview shows how black text looks on a background with the CIELCh color 35, 17.570, 70.284.

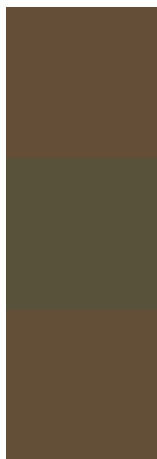


This preview shows how white text looks on a background with the CIELCh color 35, 17.570, 70.284.

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, 17.570, 70.284

Protanopia

35, 15.213, 94.965

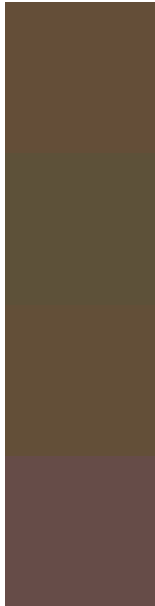
Deuteranopia

35, 17.436, 73.853



Tritanopia
35, 12.932, 4.895

Trichromacy



Original Color

35, 17.570, 70.284

Protanomaly

35, 15.988, 86.469

Deuteranomaly

35, 17.436, 73.853

Tritanomaly

35, 12.290, 32.695

Monochromacy



Original Color

35, 17.570, 70.284

Achromatopsia

35, 0.005, 296.813

Achromatomaly

35, 6.151, 73.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 17.570, 70.284 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(100, 78, 56)` looks like.

```
.text, #text, p{  
    color:rgb(100, 78, 56)  
}
```

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(100, 78, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 78, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 17.570, 70.284 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(100, 78, 56) }
```

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

```
.border{ border-color:rgb(100, 78, 56) }
```

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

Here you see how a box with a 4 pixel rgb(100, 78, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 78, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 78, 56);  
box-shadow:4px 4px 4px 4px rgb(100, 78,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 17.570, 70.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 78, 56) }
```

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

```
.background{ background-color: rgb(100, 78,  
56) }
```

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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