

Converting Colors

CIELCh(34, 34.661, 36.016)

Have a look what the booklet for
CIELCh(34, 34.661, 36.016) contains.

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Color

CIELCh(34, 34.555, 35.997)

Conversions

Conversions Part 1

Format	Color
Hex	7F3C31
RGB	127, 60, 49
RGB Percent	50%, 24%, 19%
CMY	0.5010, 0.7639, 0.8071
CMYK	0.00, 0.53, 0.61, 0.50
HSL	8°, 44%, 35%
HSV	8°, 61%, 50%
XYZ	10.9745, 8.0082, 3.8947
YIQ	78.7790, 43.4630, 10.7830

Conversions

Conversions Part 2

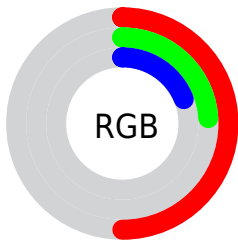
Format	Color
R_{YB}	127, 62, 49
Decimal	8338481
CIE _{Lab}	34.00, 27.96, 20.31
CIE _{LCh}	34, 34.555, 35.997
Yxy	8.0082, 0.4797, 0.3500
Android (android.graphics.Color)	4286528561 (0xFF7F3C31)
YUV	78.7790, -14.6810, 42.2898
Hunter-Lab	28.2988, 19.7010, 11.6492

Details

The CIELCh color **34, 34.555, 35.997** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **45, 21.530, 215.269**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 34.551, 36.223**, and **14, 34.365, 35.578** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.408, 37.385**, and if you desaturate by 10%, it is **37, 27.929, 34.913**.

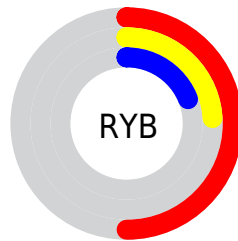
Distribution



Red (50%)

Green (24%)

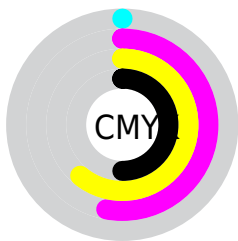
Blue (19%)



Red (50%)

Yellow (24%)

Blue (19%)

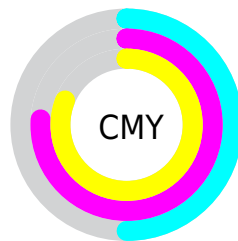


Cyan (0%)

Magenta (53%)

Yellow (61%)

Black (50%)



Cyan (50%)

Magenta (76%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 34.555, 35.997 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 34, 34.555, 35.997 by changing the saturation by 10% instead.

■ 34, 34.555, 35.997

■ 34, 34.555, 35.997

■ 100, 34.555,
35.997

■ 24, 34.555, 35.997

■ 54, 34.555, 35.997

■ 14, 34.555, 35.997

■ 64, 34.555, 35.997

■ 4, 34.555, 35.997

■ 74, 34.555, 35.997

■ 0, 34.555, 35.997

■ 84, 34.555, 35.997

■ 94, 34.555, 35.997

■ 34, 34.555, 35.997

■ 34, 34.555, 35.997

■ 32, 41.408, 37.385

■ 37, 27.929, 34.913

■ 29, 48.258, 38.998

■ 40, 21.653, 34.109

■ 28, 54.579, 40.516

■ 43, 15.778, 33.544

■ 27, 58.943, 41.423

■ 46, 10.320, 33.168

■ 49, 5.268, 32.921

■ 53, 0.597, 32.239

■ 56, 3.726, 213.007

■ 60, 7.735, 213.015

■ 63, 11.466,
213.111

Harmonies

Complementary

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



34, 34.555, 35.997



45, 21.530, 215.269

Rectangle

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



34, 34.555, 35.997



34, 34.555, 85.997



34, 34.555, 215.997



34, 34.555, 265.997

Sweetspot

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



34, 34.553, 36.000



60, 10.681, 33.086



34, 48.291, 331.879



31, 7.556, 33.156



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 34.553, 36.000



40, 53.902, 38.078



44, 32.542, 80.350



25, 2.600, 32.872



27, 59.044, 41.432



0, 0.000, 0.000

Inverse Universe

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



45, 21.530, 215.269



57, 29.242, 217.089



33, 31.674, 280.239



26, 2.458, 212.998



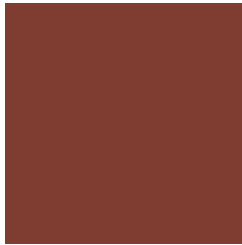
42, 26.160, 221.839



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 34.555, 35.997 looks on a white background.

Color Contrast Check

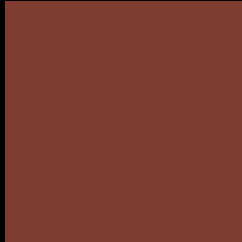
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 34.555, 35.997 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 34, 34.555, 35.997

Background



This preview shows how black text looks on a background with the CIELCh color 34, 34.555, 35.997.

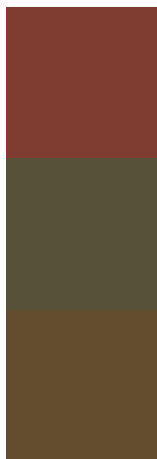


This preview shows how white text looks on a background with the CIELCh color 34, 34.555, 35.997.

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

34, 34.555, 35.997

Protanopia

34, 15.140, 96.697

Deuteranopia

34, 22.110, 78.422



Tritanopia
34, 32.943, 21.576

Trichromacy



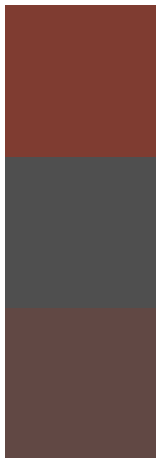
Original Color
34, 34.555, 35.997

Protanomaly
34, 18.896, 59.131

Deuteranomaly
34, 24.898, 57.436

Tritanomaly
34, 33.391, 27.540

Monochromacy



Original Color
34, 34.555, 35.997

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 11.958, 33.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 34.555, 35.997 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(127, 60, 49)` looks like.

```
.text, #text, p{  
    color:rgb(127, 60, 49)  
}
```

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(127, 60, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 60, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 34.555, 35.997 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(127, 60, 49) }
```

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

```
.border{ border-color:rgb(127, 60, 49) }
```

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

Here you see how a box with a 4 pixel rgb(127, 60, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 60, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 60, 49);  
box-shadow:4px 4px 4px 4px rgb(127, 60,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 34.555, 35.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 60, 49) }
```

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

```
.background{ background-color: rgb(127, 60,  
49) }
```

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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