

Converting Colors

CIELCh(35, 34.532, 32.826)

Have a look what the booklet for
CIELCh(35, 34.532, 32.826) contains.

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Color

CIELCh(35, 34.496, 33.065)

Conversions

Conversions Part 1

Format	Color
Hex	833E36
RGB	131, 62, 54
RGB Percent	51%, 24%, 21%
CMY	0.4871, 0.7576, 0.7889
CMYK	0.00, 0.53, 0.59, 0.49
HSL	6°, 42%, 36%
HSV	6°, 59%, 51%
XYZ	11.7017, 8.4984, 4.4926
YIQ	81.7190, 43.6920, 12.1400

Conversions

Conversions Part 2

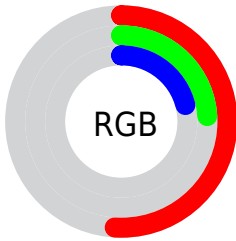
Format	Color
RYB	131, 63, 54
Decimal	8601142
CIELab	35.00, 28.91, 18.82
CIELCh	35, 34.496, 33.065
Yxy	8.4984, 0.4739, 0.3442
Android (android.graphics.Color)	4286791222 (0xFF833E36)
YUV	81.7190, -13.6655, 43.2194
Hunter-Lab	29.1520, 20.6346, 11.2692

Details

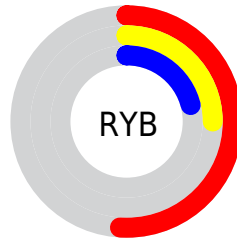
The CIELCh color **35, 34.496, 33.065** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **48, 22.000, 209.764**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 34.390, 32.562**, and **15, 34.409, 32.691** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.538, 34.743**, and if you desaturate by 10%, it is **38, 27.677, 31.754**.

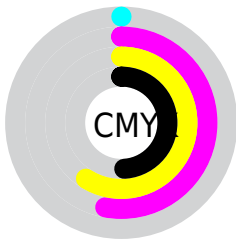
Distribution



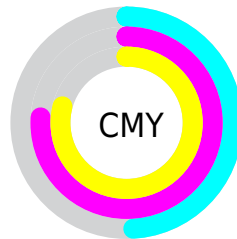
- Red (51%)
- Green (24%)
- Blue (21%)



- Red (51%)
- Yellow (25%)
- Blue (21%)



- Cyan (0%)
- Magenta (53%)
- Yellow (59%)
- Black (49%)



- Cyan (49%)
- Magenta (76%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 34.496, 33.065 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, 34.496, 33.065 by changing the saturation by 10% instead.

35, 34.496, 33.065

35, 34.496, 33.065

100, 34.496,
33.065

25, 34.496, 33.065

55, 34.496, 33.065

15, 34.496, 33.065

65, 34.496, 33.065

5, 34.496, 33.065

75, 34.496, 33.065

0, 34.496, 33.065

85, 34.496, 33.065

95, 34.496, 33.065

35, 34.496, 33.065

35, 34.496, 33.065

32, 41.538, 34.743

38, 27.677, 31.754

■ 30, 48.590, 36.743

■ 41, 21.206, 30.761

■ 28, 55.219, 38.840

■ 44, 15.143, 30.032

■ 27, 60.438, 40.377

■ 48, 9.506, 29.505

■ 27, 60.979, 40.585

■ 51, 4.286, 29.105

■ 55, 0.540, 209.730

■ 59, 5.007, 208.929

■ 62, 9.150, 208.834

■ 66, 13.006,
208.817

Harmonies

Complementary

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



35, 34.496, 33.065



48, 22.000, 209.764

Rectangle

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



35, 34.496, 33.065



35, 34.496, 83.065



35, 34.496, 213.065



35, 34.496, 263.065

Sweetspot

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



35, 34.494, 33.068



62, 11.278, 29.486



36, 48.811, 330.542



31, 7.979, 29.603



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



35, 34.494, 33.068



42, 53.786, 35.472



45, 31.364, 77.725



26, 2.768, 29.116



27, 60.686, 40.556



0, 0.641, 28.989

Inverse Universe

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



48, 22.000, 209.764



60, 30.118, 210.807



36, 29.572, 276.791



27, 2.616, 208.949



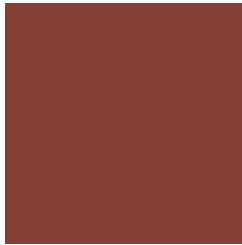
45, 27.066, 214.362



0, 0.641, 209.008

Previews

White Background



This preview shows how the CIELCh color 35, 34.496, 33.065 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, 34.496, 33.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

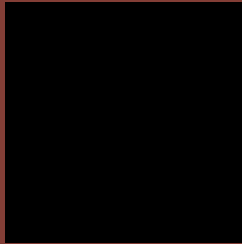
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 34.496, 33.065

Background



This preview shows how black text looks on a background with the CIELCh color 35, 34.496, 33.065.

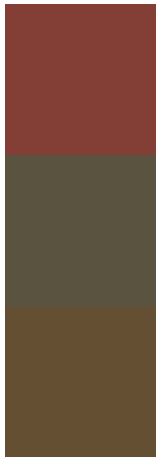


This preview shows how white text looks on a background with the CIELCh color 35, 34.496, 33.065.

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, 34.496, 33.065

Protanopia

35, 12.681, 95.276

Deuteranopia

35, 20.666, 75.497



Tritanopia
35, 33.257, 21.553

Trichromacy



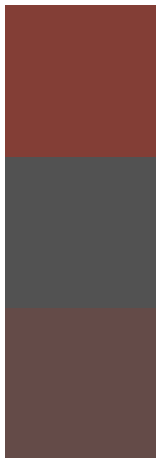
Original Color
35, 34.496, 33.065

Protanomaly
35, 17.084, 53.663

Deuteranomaly
35, 23.885, 53.948

Tritanomaly
35, 33.505, 26.450

Monochromacy



Original Color
35, 34.496, 33.065

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 11.682, 30.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 34.496, 33.065 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(131, 62, 54)` looks like.

```
.text, #text, p{  
    color:rgb(131, 62, 54)  
}
```

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(131, 62, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 62, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 34.496, 33.065 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(131, 62, 54) }
```

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

```
.border{ border-color:rgb(131, 62, 54) }
```

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

Here you see how a box with a 4 pixel rgb(131, 62, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 62, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 62, 54);  
box-shadow:4px 4px 4px 4px rgb(131, 62,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 34.496, 33.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 62, 54) }
```

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

```
.background{ background-color: rgb(131, 62,  
54) }
```

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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