

Converting Colors

CIELCh(55, 67.320, 34.802)

Have a look what the booklet for
CIELCh(55, 67.320, 34.802) contains.

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Color

CIELCh(55, 67.280, 35.038)

Conversions

Conversions Part 1

Format	Color
Hex	E35344
RGB	227, 83, 68
RGB Percent	89%, 33%, 27%
CMY	0.1099, 0.6745, 0.7334
CMYK	0.00, 0.63, 0.70, 0.11
HSL	6°, 74%, 58%
HSV	6°, 70%, 89%
XYZ	35.8087, 22.9298, 8.0057
YIQ	124.3460, 90.6390, 25.8630

Conversions

Conversions Part 2

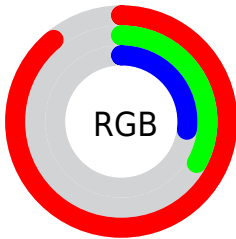
Format	Color
R_{YB}	227, 85, 68
Decimal	14897988
CIE Lab	55.00, 55.09, 38.63
CIE LCh	55, 67.280, 35.038
Yxy	22.9298, 0.5365, 0.3435
Android (android.graphics.Color)	4293088068 (0xFFE35344)
YUV	124.3460, -27.7786, 90.0276
Hunter-Lab	47.8851, 49.6840, 23.6071

Details

The CIELCh color **55, 67.280, 35.038** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **78, 37.615, 209.416**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 52.538, 36.320**, and **35, 67.201, 35.107** is the 20% darker color. If you saturate the color by 10%, you get **52, 78.131, 37.338**, and if you desaturate by 10%, it is **59, 56.168, 33.047**.

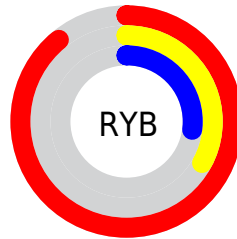
Distribution



Red (89%)

Green (33%)

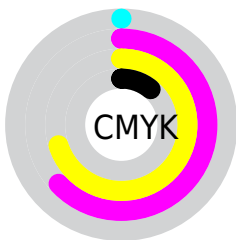
Blue (27%)



Red (89%)

Yellow (33%)

Blue (27%)

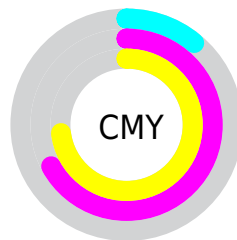


Cyan (0%)

Magenta (63%)

Yellow (70%)

Black (11%)



Cyan (11%)

Magenta (67%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 67.280, 35.038 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 55, 67.280, 35.038 by changing the saturation by 10% instead.

■ 55, 67.280, 35.038

■ 55, 67.280, 35.038

■ 100, 67.280,
35.038

■ 45, 67.280, 35.038

■ 75, 67.280, 35.038

■ 35, 67.280, 35.038

■ 85, 67.280, 35.038

■ 25, 67.280, 35.038

■ 95, 67.280, 35.038

■ 15, 67.280, 35.038

■ 5, 67.280, 35.038

■ 0, 67.280, 35.038

■ 55, 67.280, 35.038

■ 55, 67.280, 35.038

■ 52, 78.131, 37.338

■ 59, 56.168, 33.047

■ 50, 87.693, 39.499

■ 63, 45.291, 31.462

48, 94.377, 40.913

68, 34.910, 30.260

73, 25.165, 29.374

79, 16.110, 28.733

84, 7.745, 28.257

90, 0.036, 10.555

96, 7.078, 207.954

98, 9.520, 198.874

Harmonies

Complementary

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



55, 67.280, 35.038



78, 37.615, 209.416

Rectangle

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



55, 67.280, 35.038



55, 67.280, 85.038



55, 67.280, 215.038



55, 67.280, 265.038

Sweetspot

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



55, 67.277, 35.041



87, 18.631, 28.793



57, 87.054, 330.638



45, 12.757, 28.956



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 67.277, 35.041



57, 90.290, 38.373



71, 58.455, 74.090



45, 4.407, 28.232



38, 78.593, 41.121



7, 25.357, 26.781

Inverse Universe

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



78, 37.615, 209.416



85, 43.899, 210.966



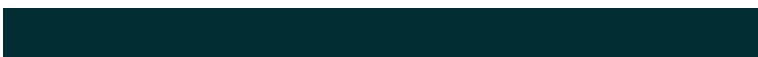
56, 54.086, 279.873



47, 4.145, 207.945



61, 34.310, 213.022



17, 14.584, 210.184

Previews

White Background



This preview shows how the CIELCh color 55, 67.280, 35.038 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 67.280, 35.038 looks on a black 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 × Fail

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

CIELCh 55, 67.280, 35.038

Background



This preview shows how black text looks on a background with the CIELCh color 55, 67.280, 35.038.



This preview shows how white text looks on a background with the CIELCh color 55, 67.280, 35.038.

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

55, 67.280, 35.038

Protanopia

55, 27.134, 95.482

Deuteranopia

55, 41.445, 79.947



Tritanopia
55, 64.180, 26.998

Trichromacy



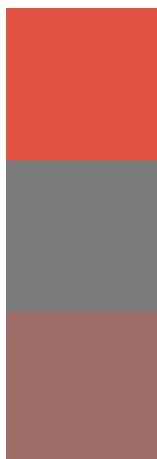
Original Color
55, 67.280, 35.038

Protanomaly
54, 35.158, 55.579

Deuteranomaly
54, 46.856, 55.762

Tritanomaly
55, 65.191, 30.070

Monochromacy



Original Color
55, 67.280, 35.038

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 22.962, 29.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 67.280, 35.038 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(227, 83, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 83, 68)  
}
```

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(227, 83, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 83, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 67.280, 35.038 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(227, 83, 68) }
```

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

```
.border{ border-color:rgb(227, 83, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 83, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 83, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 83, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 83,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 67.280, 35.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 83, 68) }
```

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

```
.background{ background-color: rgb(227, 83,  
68) }
```

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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