

Converting Colors

CIELCh(35, 33.621, 31.286)

Have a look what the booklet for
CIELCh(35, 33.621, 31.286) contains.

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Color

CIELCh(35, 33.533, 31.221)

Conversions

Conversions Part 1

Format	Color
Hex	823E38
RGB	130, 62, 56
RGB Percent	51%, 24%, 22%
CMY	0.4897, 0.7564, 0.7800
CMYK	0.00, 0.52, 0.57, 0.49
HSL	5°, 40%, 37%
HSV	5°, 57%, 51%
XYZ	11.6689, 8.4984, 4.7792
YIQ	81.6480, 42.4540, 12.5500

Conversions

Conversions Part 2

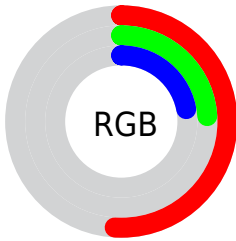
Format	Color
R_{YB}	130, 63, 56
Decimal	8535608
CIE Lab	35.00, 28.68, 17.38
CIE LCh	35, 33.533, 31.221
Yxy	8.4984, 0.4678, 0.3407
Android (android.graphics.Color)	4286725688 (0xFF823E38)
YUV	81.6480, -12.6445, 42.4047
Hunter-Lab	29.1520, 20.4335, 10.6864

Details

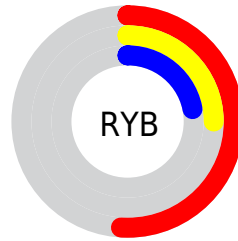
The CIELCh color **35, 33.533, 31.221** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **48, 21.848, 206.661**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 33.550, 30.855**, and **15, 33.533, 31.208** is the 20% darker color. If you saturate the color by 10%, you get **32, 40.554, 33.032**, and if you desaturate by 10%, it is **38, 26.731, 29.809**.

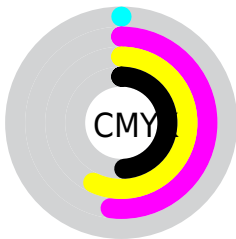
Distribution



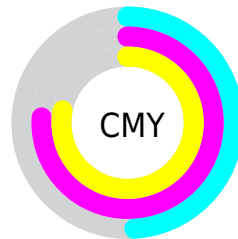
- Red (51%)
- Green (24%)
- Blue (22%)



- Red (51%)
- Yellow (25%)
- Blue (22%)



- Cyan (0%)
- Magenta (52%)
- Yellow (57%)
- Black (49%)



- Cyan (49%)
- Magenta (76%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 33.533, 31.221 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, 33.533, 31.221 by changing the saturation by 10% instead.

35, 33.533, 31.221

35, 33.533, 31.221

100, 33.533,
31.221

25, 33.533, 31.221

55, 33.533, 31.221

15, 33.533, 31.221

65, 33.533, 31.221

5, 33.533, 31.221

75, 33.533, 31.221

0, 33.533, 31.221

85, 33.533, 31.221

95, 33.533, 31.221

35, 33.533, 31.221

35, 33.533, 31.221

32, 40.554, 33.032

38, 26.731, 29.809

30, 47.596, 35.225

41, 20.272, 28.732

28, 54.283, 37.624

45, 14.216, 27.927

27, 59.629, 39.467

48, 8.583, 27.327

27, 61.041, 40.075

52, 3.365, 26.838

56, 1.462, 206.946

59, 5.932, 206.543

63, 10.080,
206.393

67, 13.944,
206.314

Harmonies

Complementary

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



35, 33.533, 31.221



48, 21.848, 206.661

Rectangle

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



35, 33.533, 31.221



35, 33.533, 81.221



35, 33.533, 211.221



35, 33.533, 261.221

Sweetspot

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



35, 33.531, 31.224



61, 10.683, 27.353



36, 48.331, 329.312



31, 7.158, 27.439



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



35, 33.531, 31.224



42, 51.201, 33.578



44, 29.693, 74.937



26, 2.823, 26.950



27, 61.013, 40.072



0, 0.654, 26.740

Inverse Universe

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



48, 21.848, 206.661



60, 29.706, 207.247



37, 27.142, 273.189



27, 2.667, 206.616



46, 27.581, 210.034



1, 0.654, 206.758

Previews

White Background



This preview shows how the CIELCh color 35, 33.533, 31.221 looks on a white background.

Color Contrast Check

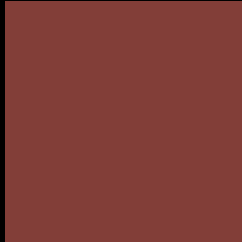
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.533, 31.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

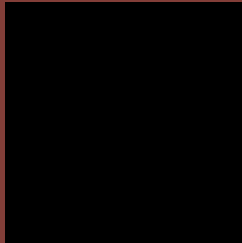
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 33.533, 31.221

Background



This preview shows how black text looks on a background with the CIELCh color 35, 33.533, 31.221.



This preview shows how white text looks on a background with the CIELCh color 35, 33.533, 31.221.

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, 33.533, 31.221

Protanopia

35, 11.375, 96.508

Deuteranopia

35, 19.317, 75.177



Tritanopia
35, 32.731, 21.325

Trichromacy



Original Color
35, 33.533, 31.221

Protanomaly
35, 15.880, 51.265

Deuteranomaly
35, 22.638, 52.396

Tritanomaly
35, 33.159, 24.433

Monochromacy



Original Color
35, 33.533, 31.221

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 11.071, 27.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 33.533, 31.221 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(130, 62, 56)` looks like.

```
.text, #text, p{  
    color:rgb(130, 62, 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(130, 62, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 62, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 33.533, 31.221 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(130, 62, 56) }
```

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

```
.border{ border-color:rgb(130, 62, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 62, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 62, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 62, 56);  
box-shadow:4px 4px 4px 4px rgb(130, 62,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 33.533, 31.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 62, 56) }
```

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

```
.background{ background-color: rgb(130, 62,  
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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