

Converting Colors

CIELCh(31, 58.156, 40.551)

Have a look what the booklet for
CIELCh(31, 58.156, 40.551) contains.

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Color

CIELCh(31, 58.156, 40.551)

Conversions

Conversions Part 1

Format	Color
Hex	8C200E
RGB	140, 32, 14
RGB Percent	55%, 13%, 5%
CMY	0.4507, 0.8742, 0.9449
CMYK	0.00, 0.77, 0.90, 0.45
HSL	9°, 82%, 30%
HSV	9°, 90%, 55%
XYZ	11.4270, 6.6515, 1.0993
YIQ	62.2400, 70.1460, 17.2980

Conversions

Conversions Part 2

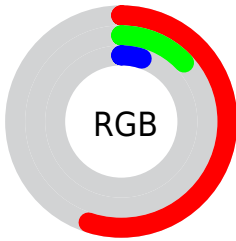
Format	Color
R_{YB}	140, 35, 14
Decimal	9183246
CIE _{Lab}	31.00, 44.19, 37.81
CIE _{LCh}	31, 58.156, 40.551
Yxy	6.6515, 0.5958, 0.3468
Android (android.graphics.Color)	4287373326 (0xFF8C200E)
YUV	62.2400, -23.7823, 68.1955
Hunter-Lab	25.7905, 33.9543, 15.5263

Details

The CIELCh color **31, 58.156, 40.551** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 27.425, 220.184**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 58.461, 40.299**, and **14, 41.240, 32.339** is the 20% darker color. If you saturate the color by 10%, you get **30, 63.875, 41.844**, and if you desaturate by 10%, it is **33, 51.222, 38.985**.

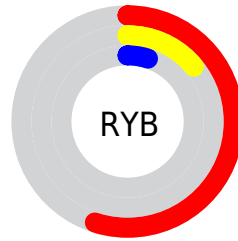
Distribution



Red (55%)

Green (13%)

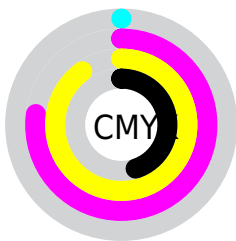
Blue (5%)



Red (55%)

Yellow (14%)

Blue (5%)

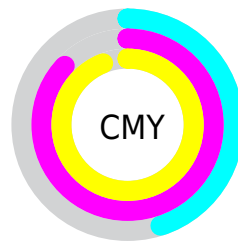


Cyan (0%)

Magenta (77%)

Yellow (90%)

Black (45%)



Cyan (45%)

Magenta (87%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 58.156, 40.551 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 31, 58.156, 40.551 by changing the saturation by 10% instead.

■ 31, 58.156, 40.551

■ 31, 58.156, 40.551

■ 100, 58.156,
40.551

■ 21, 58.156, 40.551

■ 51, 58.156, 40.551

■ 11, 58.156, 40.551

■ 61, 58.156, 40.551

■ 1, 58.156, 40.551

■ 71, 58.156, 40.551

■ 0, 58.156, 40.551

■ 81, 58.156, 40.551

■ 91, 58.156, 40.551

■ 31, 58.156, 40.551

■ 31, 58.156, 40.551

■ 30, 63.875, 41.844

■ 33, 51.222, 38.985

30, 63.895, 41.850

35, 43.799, 37.389

38, 36.401, 36.033

41, 29.269, 34.977

44, 22.527, 34.203

47, 16.226, 33.667

51, 10.380, 33.315

55, 4.975, 33.084

58, 0.021, 233.960

Harmonies

Complementary

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



31, 58.156, 40.551



47, 27.425, 220.184

Rectangle

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



31, 58.156, 40.551



31, 58.156, 90.551



31, 58.156, 220.551



31, 58.156, 270.551

Sweetspot

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



31, 58.154, 40.553



62, 17.855, 33.568



33, 65.144, 333.596



31, 12.273, 33.692



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



31, 58.154, 40.553



39, 78.355, 42.027



44, 49.506, 75.389



27, 2.770, 33.066



28, 61.017, 41.656



0, 1.243, 33.089

Inverse Universe

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



47, 27.425, 220.184



59, 33.757, 223.117



27, 51.574, 290.180



28, 2.617, 213.204



44, 26.892, 222.334



1, 1.243, 213.108

Previews

White Background



This preview shows how the CIELCh color 31, 58.156, 40.551 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 CIELCh color 31, 58.156, 40.551 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 31, 58.156, 40.551

Background



This preview shows how black text looks on a background with the CIELCh color 31, 58.156, 40.551.



This preview shows how white text looks on a background with the CIELCh color 31, 58.156, 40.551.

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

31, 58.156, 40.551

Protanopia

32, 30.846, 95.861

Deuteranopia

32, 40.694, 85.306



Tritanopia
31, 53.546, 32.021

Trichromacy



Original Color
31, 58.156, 40.551

Protanomaly
30, 35.424, 62.353

Deuteranomaly
30, 43.699, 62.151

Tritanomaly
31, 55.091, 35.522

Monochromacy



Original Color
31, 58.156, 40.551

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 20.317, 33.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 58.156, 40.551 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(140, 32, 14)` looks like.

```
.text, #text, p{  
    color:rgb(140, 32, 14)  
}
```

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(140, 32, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 32, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 58.156, 40.551 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(140, 32, 14) }
```

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

```
.border{ border-color:rgb(140, 32, 14) }
```

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

Here you see how a box with a 4 pixel rgb(140, 32, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 32, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 32, 14);  
box-shadow:4px 4px 4px 4px rgb(140, 32,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 58.156, 40.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 32, 14) }
```

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

```
.background{ background-color: rgb(140, 32,  
14) }
```

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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