

Converting Colors

CIELCh(31, 56.810, 39.978)

Have a look what the booklet for
CIELCh(31, 56.810, 39.978) contains.

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Color

CIELCh(31, 56.665, 39.751)

Conversions

Conversions Part 1

Format	Color
Hex	8B2111
RGB	139, 33, 17
RGB Percent	55%, 13%, 7%
CMY	0.4540, 0.8696, 0.9326
CMYK	0.00, 0.76, 0.88, 0.45
HSL	8°, 78%, 31%
HSV	8°, 88%, 55%
XYZ	11.3407, 6.6515, 1.2238
YIQ	62.8700, 68.3120, 17.4960

Conversions

Conversions Part 2

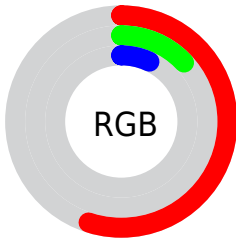
Format	Color
R_{YB}	139, 35, 17
Decimal	9117969
CIE Lab	31.00, 43.57, 36.23
CIE LCh	31, 56.665, 39.751
Yxy	6.6515, 0.5902, 0.3461
Android (android.graphics.Color)	4287308049 (0xFF8B2111)
YUV	62.8700, -22.6139, 66.7660
Hunter-Lab	25.7905, 33.3571, 15.2400

Details

The CIELCh color **31, 56.665, 39.751** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 27.286, 217.573**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.457, 39.562**, and **14, 40.789, 32.108** is the 20% darker color. If you saturate the color by 10%, you get **30, 62.568, 41.156**, and if you desaturate by 10%, it is **33, 49.589, 37.992**.

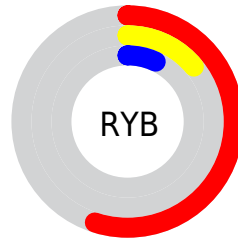
Distribution



Red (55%)

Green (13%)

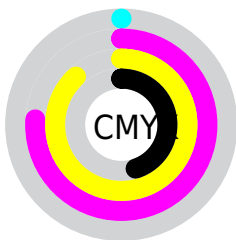
Blue (7%)



Red (55%)

Yellow (14%)

Blue (7%)

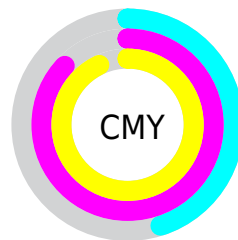


Cyan (0%)

Magenta (76%)

Yellow (88%)

Black (45%)



Cyan (45%)

Magenta (87%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.665, 39.751 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, 56.665, 39.751 by changing the saturation by 10% instead.

■ 31, 56.665, 39.751

■ 31, 56.665, 39.751

■ 100, 56.665,
39.751

■ 21, 56.665, 39.751

■ 51, 56.665, 39.751

■ 11, 56.665, 39.751

■ 61, 56.665, 39.751

■ 1, 56.665, 39.751

■ 71, 56.665, 39.751

■ 0, 56.665, 39.751

■ 81, 56.665, 39.751

■ 91, 56.665, 39.751

■ 31, 56.665, 39.751

■ 31, 56.665, 39.751

■ 30, 62.568, 41.156

■ 33, 49.589, 37.992

29, 63.796, 41.527

35, 42.165, 36.312

38, 34.821, 34.918

41, 27.767, 33.842

44, 21.110, 33.053

48, 14.896, 32.498

51, 9.134, 32.123

55, 3.806, 31.848

59, 1.117, 212.241

Harmonies

Complementary

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



31, 56.665, 39.751



47, 27.286, 217.573

Rectangle

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



31, 56.665, 39.751



31, 56.665, 89.751



31, 56.665, 219.751



31, 56.665, 269.751

Sweetspot

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



31, 56.663, 39.753



62, 17.270, 32.449



33, 65.093, 332.705



31, 11.945, 32.590



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, 56.663, 39.753



39, 78.640, 41.782



43, 48.312, 74.382



27, 2.794, 31.890



28, 61.228, 41.340



0, 1.254, 31.868

Inverse Universe

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



47, 27.286, 217.573



59, 33.885, 220.685



29, 48.516, 288.103



28, 2.639, 211.936



44, 27.004, 219.975



1, 1.254, 211.887

Previews

White Background



This preview shows how the CIELCh color 31, 56.665, 39.751 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 31, 56.665, 39.751 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, 56.665, 39.751

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.665, 39.751.



This preview shows how white text looks on a background with the CIELCh color 31, 56.665, 39.751.

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, 56.665, 39.751

Protanopia

32, 29.248, 96.728

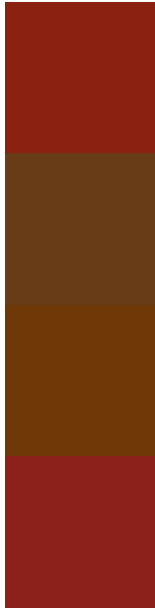
Deuteranopia

32, 40.694, 85.306



Tritanopia
31, 52.826, 32.092

Trichromacy



Original Color
31, 56.665, 39.751

Protanomaly
30, 33.701, 62.610

Deuteranomaly
30, 42.972, 62.297

Tritanomaly
31, 54.280, 34.824

Monochromacy



Original Color
31, 56.665, 39.751

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 20.243, 33.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.665, 39.751 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(139, 33, 17)` looks like.

```
.text, #text, p{  
    color:rgb(139, 33, 17)  
}
```

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(139, 33, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 33, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.665, 39.751 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(139, 33, 17) }
```

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

```
.border{ border-color:rgb(139, 33, 17) }
```

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

Here you see how a box with a 4 pixel rgb(139, 33, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 33, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 33, 17);  
box-shadow:4px 4px 4px 4px rgb(139, 33,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.665, 39.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 33, 17) }
```

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

```
.background{ background-color: rgb(139, 33,  
17) }
```

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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