

Converting Colors

CIELCh(28, 61.806, 33.318)

Have a look what the booklet for
CIELCh(28, 61.806, 33.318) contains.

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Color

CIELCh(28, 61.483, 33.440)

Conversions

Conversions Part 1

Format	Color
Hex	8A0011
RGB	138, 0, 17
RGB Percent	54%, 0%, 7%
CMY	0.4572, 1.0000, 0.9349
CMYK	0.00, 1.00, 0.88, 0.46
HSL	353°, 100%, 27%
HSV	353°, 100%, 54%
XYZ	10.6381, 5.4574, 1.0070
YIQ	43.2000, 76.7910, 34.5430

Conversions

Conversions Part 2

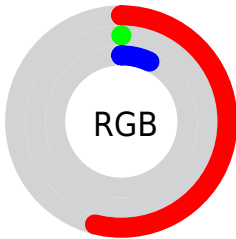
Format	Color
RYB	138, 0, 17
Decimal	9043985
CIELab	28.00, 51.31, 33.88
CIELCh	28, 61.483, 33.440
Yxy	5.4574, 0.6220, 0.3191
Android (android.graphics.Color)	4287234065 (0xFF8A0011)
YUV	43.2000, -12.9166, 83.1396
Hunter-Lab	23.3610, 40.4035, 13.7970

Details

The CIELCh color **28, 61.483, 33.440** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **51, 35.640, 180.113**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 61.219, 33.329**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 61.374, 33.561**, and if you desaturate by 10%, it is **29, 56.372, 29.311**.

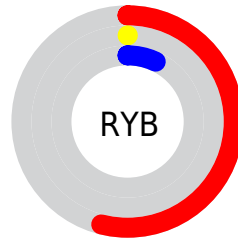
Distribution



Red (54%)

Green (0%)

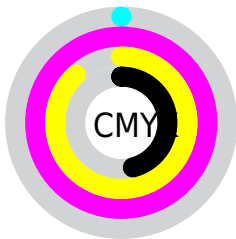
Blue (7%)



Red (54%)

Yellow (0%)

Blue (7%)

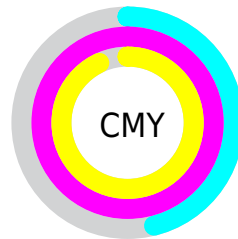


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (46%)



Cyan (46%)

Magenta (100%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 61.483, 33.440 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 28, 61.483, 33.440 by changing the saturation by 10% instead.

■ 28, 61.483, 33.440

■ 28, 61.483, 33.440

■ 100, 61.483,
33.440

■ 18, 61.483, 33.440

■ 48, 61.483, 33.440

■ 8, 61.483, 33.440

■ 58, 61.483, 33.440

■ 0, 61.483, 33.440

■ 68, 61.483, 33.440

■ 78, 61.483, 33.440

■ 88, 61.483, 33.440

■ 98, 61.483, 33.440

■ 28, 61.483, 33.440

■ 28, 61.483, 33.440

28, 61.374, 33.561

29, 56.372, 29.311

30, 50.888, 24.981

33, 44.789, 21.297

35, 38.246, 18.314

38, 31.474, 15.945

42, 24.689, 14.067

46, 18.063, 12.562

49, 11.707, 11.337

54, 5.680, 10.301

Harmonies

Complementary

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



28, 61.483, 33.440



51, 35.640, 180.113

Rectangle

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



28, 61.483, 33.440



28, 61.483, 83.440



28, 61.483, 213.440



28, 61.483, 263.440

Sweetspot

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



28, 61.374, 33.561



59, 22.529, 12.653



29, 74.090, 323.223



29, 15.642, 13.184



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



28, 61.374, 33.561



38, 75.683, 34.694



34, 57.375, 51.910



27, 3.183, 10.217



27, 59.357, 33.343



0, 1.439, 9.530

Inverse Universe

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



28, 61.374, 33.561



38, 75.683, 34.694



36, 34.446, 266.158



27, 3.183, 10.217



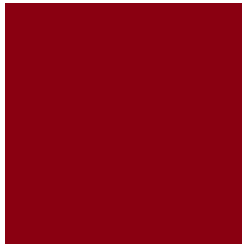
27, 59.357, 33.343



0, 1.439, 9.530

Previews

White Background



This preview shows how the CIELCh color 28, 61.483, 33.440 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 28, 61.483, 33.440 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 28, 61.483, 33.440

Background



This preview shows how black text looks on a background with the CIELCh color 28, 61.483, 33.440.



This preview shows how white text looks on a background with the CIELCh color 28, 61.483, 33.440.

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

28, 61.104, 33.350

Protanopia

30, 25.660, 95.995

Tritanopia

29, 63.952, 40.627

Trichromacy

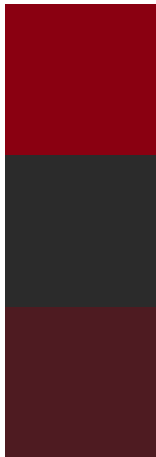


Original Color
28, 61.104, 33.350

Protanomaly
26, 33.911, 46.941

Tritanomaly
28, 63.005, 38.220

Monochromacy



Original Color
28, 61.104, 33.350

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.016, 18.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 61.483, 33.440 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(138, 0, 17)` looks like.

```
.text, #text, p{  
  color:rgb(138, 0, 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(138, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 61.483, 33.440 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(138, 0, 17) }
```

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

```
.border{ border-color:rgb(138, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(138, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 61.483, 33.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 17) }
```

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

```
.background{ background-color: rgb(138, 0,  
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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