

Converting Colors

CIELCh(28, 62.048, 33.689)

Have a look what the booklet for
CIELCh(28, 62.048, 33.689) contains.

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Color

CIELCh(28, 61.767, 33.873)

Conversions

Conversions Part 1

Format	Color
Hex	8A0010
RGB	138, 0, 16
RGB Percent	54%, 0%, 6%
CMY	0.4571, 1.0000, 0.9387
CMYK	0.00, 1.00, 0.89, 0.46
HSL	353°, 100%, 27%
HSV	353°, 100%, 54%
XYZ	10.6353, 5.4574, 0.9683
YIQ	43.0860, 77.1120, 34.2320

Conversions

Conversions Part 2

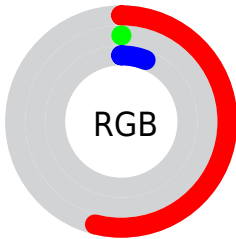
Format	Color
RYB	138, 0, 16
Decimal	9043984
CIELab	28.00, 51.28, 34.43
CIELCh	28, 61.767, 33.873
Yxy	5.4574, 0.6234, 0.3199
Android (android.graphics.Color)	4287234064 (0xFF8A0010)
YUV	43.0860, -13.3534, 83.2396
Hunter-Lab	23.3610, 40.3815, 13.8952

Details

The CIELCh color **28, 61.767, 33.873** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **52, 35.358, 180.979**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 61.486, 33.788**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 61.663, 33.988**, and if you desaturate by 10%, it is **29, 56.621, 29.808**.

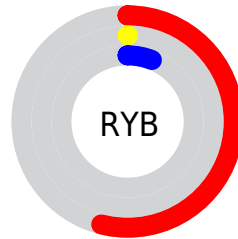
Distribution



Red (54%)

Green (0%)

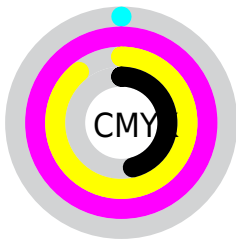
Blue (6%)



Red (54%)

Yellow (0%)

Blue (6%)

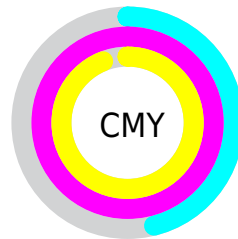


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (46%)



Cyan (46%)

Magenta (100%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 61.767, 33.873 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, 61.767, 33.873 by changing the saturation by 10% instead.

■ 28, 61.767, 33.873

■ 28, 61.767, 33.873

■ 100, 61.767,
33.873

■ 18, 61.767, 33.873

■ 48, 61.767, 33.873

■ 8, 61.767, 33.873

■ 58, 61.767, 33.873

■ 0, 61.767, 33.873

■ 68, 61.767, 33.873

■ 78, 61.767, 33.873

■ 88, 61.767, 33.873

■ 98, 61.767, 33.873

■ 28, 61.767, 33.873

■ 28, 61.767, 33.873

28, 61.663, 33.988

29, 56.621, 29.808

30, 51.068, 25.506

33, 44.907, 21.831

35, 38.314, 18.852

38, 31.506, 16.486

42, 24.698, 14.612

46, 18.058, 13.114

49, 11.698, 11.895

54, 5.673, 10.868

Harmonies

Complementary

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



28, 61.767, 33.873



52, 35.358, 180.979

Rectangle

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



28, 61.767, 33.873



28, 61.767, 83.873



28, 61.767, 213.873



28, 61.767, 263.873

Sweetspot

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



28, 61.663, 33.988



59, 22.521, 13.204



29, 73.970, 323.830



29, 15.639, 13.732



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, 61.663, 33.988



38, 76.024, 35.094



34, 56.892, 52.970



27, 3.179, 10.785



27, 59.619, 33.760



0, 1.436, 10.106

Inverse Universe

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



28, 61.663, 33.988



38, 76.024, 35.094



35, 35.555, 268.670



27, 3.179, 10.785



27, 59.619, 33.760



0, 1.436, 10.106

Previews

White Background



This preview shows how the CIELCh color 28, 61.767, 33.873 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, 61.767, 33.873 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, 61.767, 33.873

Background



This preview shows how black text looks on a background with the CIELCh color 28, 61.767, 33.873.



This preview shows how white text looks on a background with the CIELCh color 28, 61.767, 33.873.

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, 61.388, 33.788

Protanopia

30, 26.206, 96.066

Deuteranopia

29, 38.748, 85.033



Tritanopia
29, 63.952, 40.627

Trichromacy



Original Color
28, 61.388, 33.788

Protanomaly
26, 34.298, 47.670

Deuteranomaly
26, 43.543, 52.097

Tritanomaly
28, 63.005, 38.220

Monochromacy



Original Color
28, 61.388, 33.788

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, 61.767, 33.873 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 61.767, 33.873 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, 16) }
```

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

```
.border{ border-color:rgb(138, 0, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 16);  
box-shadow:4px 4px 4px 4px rgb(138, 0, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 61.767, 33.873 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, 16) }
```

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

```
.background{ background-color: rgb(138, 0,  
16) }
```

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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