

Converting Colors

CIELCh(28, 59.808, 31.366)

Have a look what the booklet for
CIELCh(28, 59.808, 31.366) contains.

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Color

CIELCh(28, 59.967, 31.479)

Conversions

Conversions Part 1

Format	Color
Hex	8A0015
RGB	138, 0, 21
RGB Percent	54%, 0%, 8%
CMY	0.4588, 0.9999, 0.9176
CMYK	0.00, 1.00, 0.85, 0.46
HSL	351°, 100%, 27%
HSV	351°, 100%, 54%
XYZ	10.6165, 5.4574, 1.2033
YIQ	43.6560, 75.5070, 35.7870

Conversions

Conversions Part 2

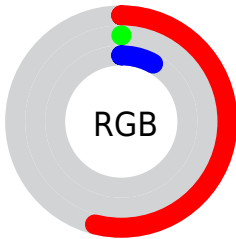
Format	Color
RYB	138, 0, 21
Decimal	9043989
CIELab	28.00, 51.14, 31.31
CIELCh	28, 59.967, 31.479
Yxy	5.4574, 0.6145, 0.3159
Android (android.graphics.Color)	4287234069 (0xFF8A0015)
YUV	43.6560, -11.1694, 82.7397
Hunter-Lab	23.3610, 40.2381, 13.2989

Details

The CIELCh color **28, 59.967, 31.479** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **51, 36.917, 176.398**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 60.192, 31.431**, and **14, 40.336, 31.871** is the 20% darker color. If you saturate the color by 10%, you get **28, 59.971, 31.486**, and if you desaturate by 10%, it is **29, 55.202, 26.979**.

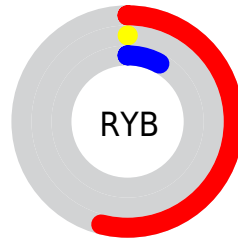
Distribution



Red (54%)

Green (0%)

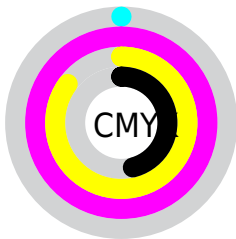
Blue (8%)



Red (54%)

Yellow (0%)

Blue (8%)

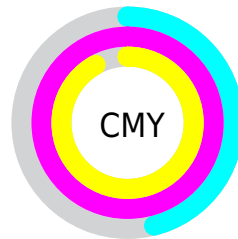


Cyan (0%)

Magenta (100%)

Yellow (85%)

Black (46%)



Cyan (46%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 59.967, 31.479 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, 59.967, 31.479 by changing the saturation by 10% instead.

■ 28, 59.967, 31.479

■ 28, 59.967, 31.479

■ 100, 59.967,
31.479

■ 18, 59.967, 31.479

■ 48, 59.967, 31.479

■ 8, 59.967, 31.479

■ 58, 59.967, 31.479

■ 0, 59.967, 31.479

■ 68, 59.967, 31.479

■ 78, 59.967, 31.479

■ 88, 59.967, 31.479

■ 98, 59.967, 31.479

■ 28, 59.967, 31.479

■ 28, 59.967, 31.479

28, 59.971, 31.486

29, 55.202, 26.979

30, 50.039, 22.558

32, 44.228, 18.855

35, 37.911, 15.872

38, 31.303, 13.503

42, 24.627, 11.616

45, 18.064, 10.094

49, 11.733, 8.843

53, 5.701, 7.777

Harmonies

Complementary

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



28, 59.967, 31.479



51, 36.917, 176.398

Rectangle

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



28, 59.967, 31.479



28, 59.967, 81.479



28, 59.967, 211.479



28, 59.967, 261.479

Sweetspot

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



28, 59.965, 31.481



58, 22.332, 10.184



28, 74.214, 322.032



28, 15.306, 10.708



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



28, 59.965, 31.481



37, 73.303, 32.678



33, 58.211, 49.917



27, 3.208, 7.692



27, 58.141, 31.271



0, 1.452, 6.971

Inverse Universe

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



28, 59.965, 31.481



37, 73.303, 32.678



37, 32.367, 260.723



27, 3.208, 7.692



27, 58.141, 31.271



0, 1.452, 6.971

Previews

White Background



This preview shows how the CIELCh color 28, 59.967, 31.479 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 28, 59.967, 31.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

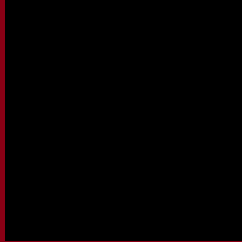
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 59.967, 31.479

Background



This preview shows how black text looks on a background with the CIELCh color 28, 59.967, 31.479.



This preview shows how white text looks on a background with the CIELCh color 28, 59.967, 31.479.

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, 59.967, 31.479

Protanopia

30, 22.748, 96.777

Deuteranopia

29, 38.748, 85.033



Tritanopia
28, 63.662, 40.462

Trichromacy



Original Color
28, 59.967, 31.479

Protanomaly
26, 31.542, 43.117

Deuteranomaly
26, 42.947, 51.380

Tritanomaly
28, 62.144, 37.576

Monochromacy



Original Color
28, 59.967, 31.479

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 25.286, 15.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 59.967, 31.479 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 59.967, 31.479 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, 21) }
```

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

```
.border{ border-color:rgb(138, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(138, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 59.967, 31.479 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, 21) }
```

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

```
.background{ background-color: rgb(138, 0,  
21) }
```

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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