

Converting Colors

CIELCh(28, 59.195, 36.477)

Have a look what the booklet for
CIELCh(28, 59.195, 36.477) contains.

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Color

CIELCh(28, 59.476, 36.690)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 870E0D |
| RGB | 135, 14, 13 |
| RGB Percent | 53%, 5%, 5% |
| CMY | 0.4717, 0.9468, 0.9499 |
| CMYK | 0.00, 0.90, 0.91, 0.47 |
| HSL | 0°, 83%, 29% |
| HSV | 0°, 91%, 53% |
| XYZ | 10.1668, 5.4574, 0.8907 |
| YIQ | 50.0650, 72.4370, 25.3410 |

Conversions

Conversions Part 2

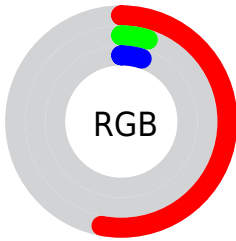
| Format | Color |
|-------------------------------------|--|
| RYB | 135, 14, 13 |
| Decimal | 8850957 |
| CIELab | 28.00, 47.69, 35.54 |
| CIELCh | 28, 59.476, 36.690 |
| Yxy | 5.4574, 0.6156, 0.3305 |
| Android (android.graphics.Color) | 4287041037 (0xFF870E0D) |
| YUV | 50.0650, -18.2730, 74.4880 |
| Hunter-Lab | 23.3610, 36.8019, 14.0922 |

Details

The CIELCh color **28, 59.476, 36.690** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **51, 30.265, 197.364**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 59.533, 36.622**, and **13, 38.975, 31.113** is the 20% darker color. If you saturate the color by 10%, you get **27, 63.865, 38.895**, and if you desaturate by 10%, it is **29, 53.317, 33.365**.

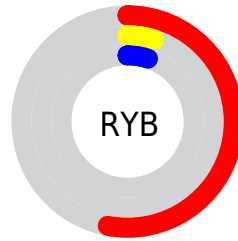
Distribution



Red (53%)

Green (5%)

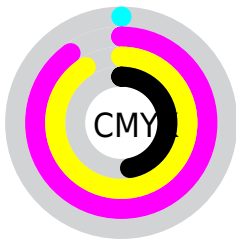
Blue (5%)



Red (53%)

Yellow (5%)

Blue (5%)

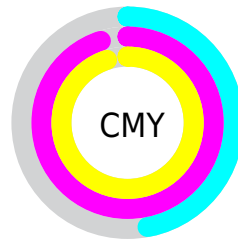


Cyan (0%)

Magenta (90%)

Yellow (91%)

Black (47%)



Cyan (47%)

Magenta (95%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 59.476, 36.690 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, 59.476, 36.690 by changing the saturation by 10% instead.

■ 28, 59.476, 36.690

■ 28, 59.476, 36.690

■ 100, 59.476,
36.690

■ 18, 59.476, 36.690

■ 48, 59.476, 36.690

■ 8, 59.476, 36.690

■ 58, 59.476, 36.690

■ 0, 59.476, 36.690

■ 68, 59.476, 36.690

■ 78, 59.476, 36.690

■ 88, 59.476, 36.690

■ 98, 59.476, 36.690

■ 28, 59.476, 36.690

■ 28, 59.476, 36.690

27, 63.865, 38.895

29, 53.317, 33.365

31, 46.354, 30.157

34, 39.096, 27.451

37, 31.827, 25.294

40, 24.751, 23.617

44, 18.005, 22.323

48, 11.663, 21.319

52, 5.755, 20.515

56, 0.273, 18.478

Harmonies

Complementary

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



28, 59.476, 36.690



51, 30.265, 197.364

Rectangle

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



28, 59.476, 36.690



28, 59.476, 86.690



28, 59.476, 216.690



28, 59.476, 266.690

Sweetspot

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



28, 59.474, 36.692



58, 19.604, 22.005



32, 69.781, 328.130



29, 13.456, 22.325



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, 59.474, 36.692



36, 79.022, 40.029



38, 48.507, 63.437



26, 3.030, 20.411



26, 62.026, 38.635



0, 0.702, 19.955

Inverse Universe

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



51, 30.265, 197.364



65, 37.585, 197.400



31, 39.661, 278.841



28, 2.866, 199.583



49, 30.132, 197.374



1, 0.702, 199.973

Previews

White Background



This preview shows how the CIELCh color 28, 59.476, 36.690 looks on a white background.

Color Contrast Check

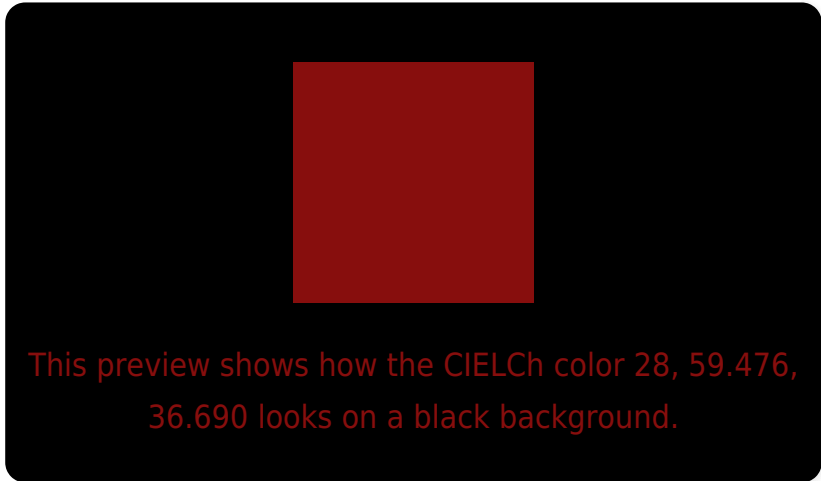
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 59.476, 36.690

Background



This preview shows how black text looks on a background with the CIELCh color 28, 59.476, 36.690.



This preview shows how white text looks on a background with the CIELCh color 28, 59.476, 36.690.

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, 59.476, 36.690

Protanopia

29, 27.830, 96.161

Deuteranopia

29, 38.375, 84.821



Tritanopia
28, 60.459, 38.035

Trichromacy



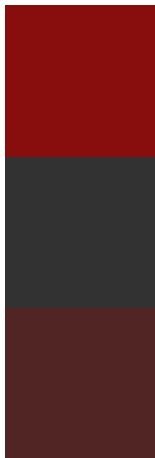
Original Color
28, 59.476, 36.690

Protanomaly
26, 33.884, 54.503

Deuteranomaly
26, 42.303, 56.063

Tritanomaly
28, 60.225, 37.723

Monochromacy



Original Color
28, 59.476, 36.690

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 22.851, 26.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 59.476, 36.690 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(135, 14, 13)` looks like.

```
.text, #text, p{  
    color:rgb(135, 14, 13)  
}
```

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(135, 14, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 14, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 59.476, 36.690 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(135, 14, 13) }
```

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

```
.border{ border-color:rgb(135, 14, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 14, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 14, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 14, 13);  
box-shadow:4px 4px 4px 4px rgb(135, 14,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 59.476, 36.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 14, 13) }
```

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

```
.background{ background-color: rgb(135, 14,  
13) }
```

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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