

Converting Colors

CIELCh(28, 63.505, 36.912)

Have a look what the booklet for
CIELCh(28, 63.505, 36.912) contains.

CIELCh(28, 63.494, 37.032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(28, 63.494, 37.032)

Conversions

Conversions Part 1

Format	Color
Hex	8A0107
RGB	138, 1, 7
RGB Percent	54%, 0%, 3%
CMY	0.4583, 0.9951, 0.9721
CMYK	0.00, 0.99, 0.95, 0.46
HSL	357°, 98%, 27%
HSV	357°, 99%, 54%
XYZ	10.5565, 5.4574, 0.7016
YIQ	42.6470, 79.7260, 30.9100

Conversions

Conversions Part 2

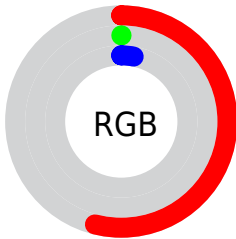
Format	Color
RYB	138, 1, 7
Decimal	9044231
CIELab	28.00, 50.69, 38.24
CIELCh	28, 63.494, 37.032
Yxy	5.4574, 0.6315, 0.3265
Android (android.graphics.Color)	4287234311 (0xFF8A0107)
YUV	42.6470, -17.5740, 83.6246
Hunter-Lab	23.3610, 39.7796, 14.5720

Details

The CIELCh color **28, 63.494, 37.032** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **52, 32.796, 190.202**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 63.209, 37.199**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 63.898, 37.231**, and if you desaturate by 10%, it is **29, 58.478, 33.864**.

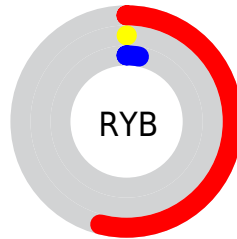
Distribution



Red (54%)

Green (0%)

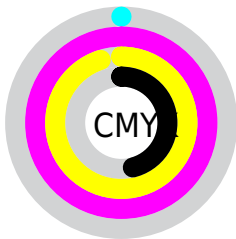
Blue (3%)



Red (54%)

Yellow (0%)

Blue (3%)

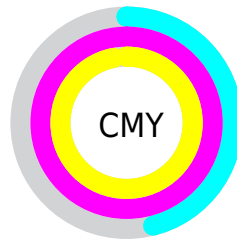


Cyan (0%)

Magenta (99%)

Yellow (95%)

Black (46%)



Cyan (46%)

Magenta (100%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 63.494, 37.032 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, 63.494, 37.032 by changing the saturation by 10% instead.

■ 28, 63.494, 37.032

■ 28, 63.494, 37.032

■ 100, 63.494,
37.032

■ 18, 63.494, 37.032

■ 48, 63.494, 37.032

■ 8, 63.494, 37.032

■ 58, 63.494, 37.032

■ 0, 63.494, 37.032

■ 68, 63.494, 37.032

■ 78, 63.494, 37.032

■ 88, 63.494, 37.032

■ 98, 63.494, 37.032

■ 28, 63.494, 37.032

■ 28, 63.494, 37.032

■ 28, 63.898, 37.231

■ 29, 58.478, 33.864

■ 30, 52.300, 30.008

■ 33, 45.506, 26.575

■ 35, 38.404, 23.755

■ 38, 31.236, 21.519

■ 42, 24.204, 19.768

■ 46, 17.454, 18.394

■ 50, 11.071, 17.302

■ 54, 5.090, 16.397

Harmonies

Complementary

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



28, 63.494, 37.032



52, 32.796, 190.202

Rectangle

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



28, 63.494, 37.032



28, 63.494, 87.032



28, 63.494, 217.032



28, 63.494, 267.032

Sweetspot

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



28, 63.492, 37.034



58, 22.298, 18.586



31, 73.228, 326.318



28, 15.332, 19.064



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, 63.492, 37.034



37, 78.132, 38.222



36, 54.430, 57.726



27, 3.150, 16.402



27, 61.804, 36.945



0, 1.418, 15.834

Inverse Universe

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



28, 63.492, 37.034



37, 78.132, 38.222



32, 40.134, 277.089



27, 3.150, 16.402



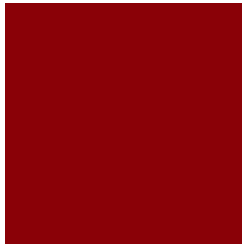
27, 61.804, 36.945



0, 1.418, 15.834

Previews

White Background



This preview shows how the CIELCh color 28, 63.494, 37.032 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, 63.494, 37.032 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, 63.494, 37.032

Background



This preview shows how black text looks on a background with the CIELCh color 28, 63.494, 37.032.



This preview shows how white text looks on a background with the CIELCh color 28, 63.494, 37.032.

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, 63.494, 37.032

Protanopia

30, 30.318, 96.413

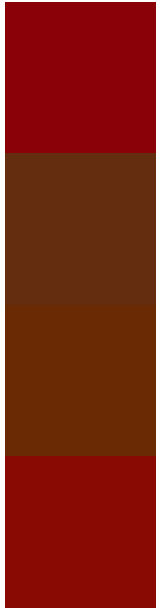
Deuteranopia

29, 38.748, 85.033



Tritanopia
28, 63.554, 40.610

Trichromacy



Original Color
28, 63.494, 37.032

Protanomaly
26, 37.398, 52.593

Deuteranomaly
26, 44.450, 53.136

Tritanomaly
28, 63.228, 39.194

Monochromacy



Original Color
28, 63.494, 37.032

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 26.072, 24.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 63.494, 37.032 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, 1, 7)` looks like.

```
.text, #text, p{  
    color:rgb(138, 1, 7)  
}
```

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, 1, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 1, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 63.494, 37.032 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, 1, 7) }
```

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

```
.border{ border-color:rgb(138, 1, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 1, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 1, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(138, 1, 7); box-shadow:4px  
4px 4px 4px rgb(138, 1, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 63.494, 37.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 1, 7) }
```

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

```
.background{ background-color: rgb(138, 1,  
7) }
```

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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