

Converting Colors

CIELCh(27, 59.573, 39.712)

Have a look what the booklet for
CIELCh(27, 59.573, 39.712) contains.

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Color

CIELCh(27, 59.500, 39.613)

Conversions

Conversions Part 1

Format	Color
Hex	820F04
RGB	130, 15, 4
RGB Percent	51%, 6%, 2%
CMY	0.4903, 0.9412, 0.9844
CMYK	0.00, 0.88, 0.97, 0.49
HSL	5°, 94%, 26%
HSV	5°, 97%, 51%
XYZ	9.3948, 5.0937, 0.6023
YIQ	48.1310, 72.0710, 20.9590

Conversions

Conversions Part 2

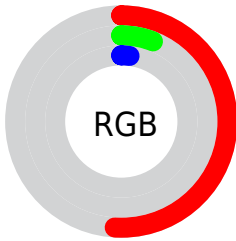
Format	Color
R_YB	130, 16, 4
Decimal	8523524
CIE _{Lab}	27.00, 45.84, 37.94
CIE _{LCh}	27, 59.500, 39.613
Yxy	5.0937, 0.6226, 0.3375
Android (android.graphics.Color)	4286713604 (0xFF820F04)
YUV	48.1310, -21.7566, 71.7991
Hunter-Lab	22.5692, 34.8078, 14.2162

Details

The CIELCh color **27, 59.500, 39.613** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **45, 27.261, 210.818**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 59.289, 39.482**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **27, 60.900, 40.193**, and if you desaturate by 10%, it is **28, 54.128, 37.847**.

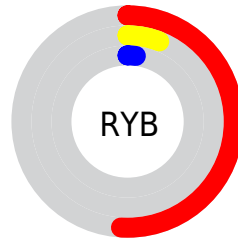
Distribution



Red (51%)

Green (6%)

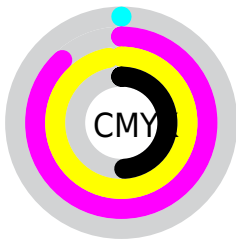
Blue (2%)



Red (51%)

Yellow (6%)

Blue (2%)

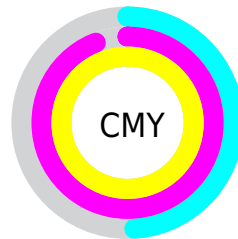


Cyan (0%)

Magenta (88%)

Yellow (97%)

Black (49%)



Cyan (49%)

Magenta (94%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 59.500, 39.613 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 27, 59.500, 39.613 by changing the saturation by 10% instead.

■ 27, 59.500, 39.613

■ 27, 59.500, 39.613

■ 100, 59.500,
39.613

■ 17, 59.500, 39.613

■ 47, 59.500, 39.613

■ 7, 59.500, 39.613

■ 57, 59.500, 39.613

■ 0, 59.500, 39.613

■ 67, 59.500, 39.613

■ 77, 59.500, 39.613

■ 87, 59.500, 39.613

■ 97, 59.500, 39.613

■ 27, 59.500, 39.613

■ 27, 59.500, 39.613

27, 60.900, 40.193

28, 54.128, 37.847

30, 47.434, 35.526

32, 40.396, 33.400

35, 33.389, 31.647

38, 26.613, 30.275

41, 20.183, 29.235

45, 14.158, 28.461

48, 8.556, 27.889

52, 3.369, 27.425

Harmonies

Complementary

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



27, 59.500, 39.613



45, 27.261, 210.818

Rectangle

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



27, 59.500, 39.613



27, 59.500, 89.613



27, 59.500, 219.613



27, 59.500, 269.613

Sweetspot

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



27, 59.498, 39.615



56, 19.028, 28.649



30, 65.192, 331.622



27, 13.178, 28.921



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



27, 59.498, 39.615



35, 75.222, 41.008



38, 49.014, 69.515



25, 2.716, 27.526



26, 59.909, 40.085



0, 0.000, 0.000

Inverse Universe

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



45, 27.261, 210.818



58, 33.056, 211.562



25, 48.193, 288.851



26, 2.568, 207.241



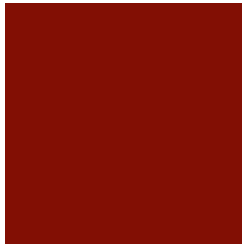
44, 27.043, 211.155



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 59.500, 39.613 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 27, 59.500, 39.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

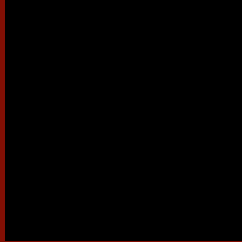
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 59.500, 39.613

Background



This preview shows how black text looks on a background with the CIELCh color 27, 59.500, 39.613.



This preview shows how white text looks on a background with the CIELCh color 27, 59.500, 39.613.

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

27, 59.500, 39.613

Protanopia

28, 30.319, 96.168

Deuteranopia

28, 37.406, 85.150



Tritanopia
27, 57.842, 37.375

Trichromacy



Original Color
27, 59.500, 39.613

Protanomaly
25, 35.890, 58.926

Deuteranomaly
26, 42.302, 58.436

Tritanomaly
27, 58.545, 38.354

Monochromacy



Original Color
27, 59.500, 39.613

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 22.591, 31.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 59.500, 39.613 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(130, 15, 4)` looks like.

```
.text, #text, p{  
    color:rgb(130, 15, 4)  
}
```

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(130, 15, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 15, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 59.500, 39.613 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(130, 15, 4) }
```

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

```
.border{ border-color:rgb(130, 15, 4) }
```

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

Here you see how a box with a 4 pixel rgb(130, 15, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 15, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 15, 4);  
box-shadow:4px 4px 4px 4px rgb(130, 15, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 59.500, 39.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 15, 4) }
```

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

```
.background{ background-color: rgb(130, 15,  
4) }
```

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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