

Converting Colors

CIELCh(27, 57.565, 36.180)

Have a look what the booklet for
CIELCh(27, 57.565, 36.180) contains.

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Color

CIELCh(27, 57.603, 36.274)

Conversions

Conversions Part 1	
Format	Color
Hex	820D0D
RGB	130, 13, 13
RGB Percent	51%, 5%, 5%
CMY	0.4892, 0.9475, 0.9482
CMYK	0.00, 0.90, 0.90, 0.49
HSL	0°, 82%, 28%
HSV	0°, 90%, 51%
XYZ	9.4685, 5.0937, 0.8719
YIQ	47.9830, 69.7320, 24.8040

Conversions

Conversions Part 2

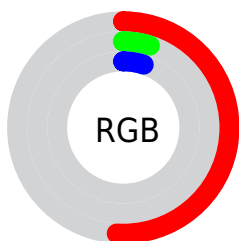
Format	Color
RYB	130, 13, 13
Decimal	8523021
CIELab	27.00, 46.44, 34.08
CIELCh	27, 57.603, 36.274
Yxy	5.0937, 0.6135, 0.3300
Android (android.graphics.Color)	4286713101 (0xFF820D0D)
YUV	47.9830, -17.2466, 71.9289
Hunter-Lab	22.5692, 35.3902, 13.5079

Details

The CIELCh color **27, 57.603, 36.274** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **49, 29.653, 196.682**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 57.460, 35.881**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **26, 62.116, 38.525**, and if you desaturate by 10%, it is **28, 51.548, 32.893**.

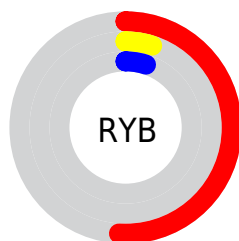
Distribution



Red (51%)

Green (5%)

Blue (5%)



Red (51%)

Yellow (5%)

Blue (5%)

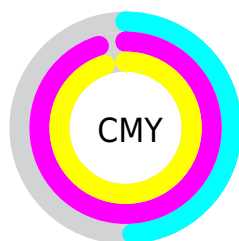


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (49%)



Cyan (49%)

Magenta (95%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 57.603, 36.274 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, 57.603, 36.274 by changing the saturation by 10% instead.

 27, 57.603, 36.274

 27, 57.603, 36.274

 100, 57.603,
36.274

 17, 57.603, 36.274

 47, 57.603, 36.274

 7, 57.603, 36.274

 57, 57.603, 36.274

 0, 57.603, 36.274

 67, 57.603, 36.274

 77, 57.603, 36.274

 87, 57.603, 36.274

 97, 57.603, 36.274

 27, 57.603, 36.274

 27, 57.603, 36.274

 26, 62.116, 38.525

 28, 51.548, 32.893

 26, 62.178, 38.553

 30, 44.751, 29.674

 33, 37.684, 26.978

 36, 30.612, 24.834

 39, 23.731, 23.167

 43, 17.172, 21.878

 47, 11.007, 20.876

 51, 5.262, 20.067

 55, 0.071, 205.262

Harmonies

Complementary

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



27, 57.603, 36.274



49, 29.653, 196.682

Rectangle

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



27, 57.603, 36.274



27, 57.603, 86.274



27, 57.603, 216.274



27, 57.603, 266.274

Sweetspot

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



27, 57.601, 36.276



56, 18.988, 21.630



31, 67.864, 328.118



27, 12.864, 21.938



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, 57.601, 36.276



35, 76.432, 39.884



37, 46.932, 63.632



26, 3.045, 20.013



26, 62.096, 38.540



0, 0.706, 19.543

Inverse Universe

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



49, 29.653, 196.682



62, 36.625, 196.639



30, 38.316, 278.432



28, 2.881, 199.155



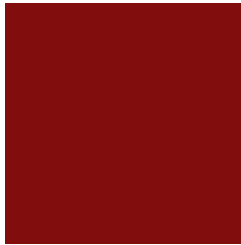
49, 30.339, 196.633



1, 0.706, 199.560

Previews

White Background



This preview shows how the CIE LCh color 27, 57.603, 36.274 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 27, 57.603, 36.274 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, 57.603, 36.274

Background



This preview shows how black text looks on a background with the CIELCh color 27, 57.603, 36.274.



This preview shows how white text looks on a background with the CIELCh color 27, 57.603, 36.274.

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, 57.603, 36.274

Protanopia

28, 26.740, 97.013

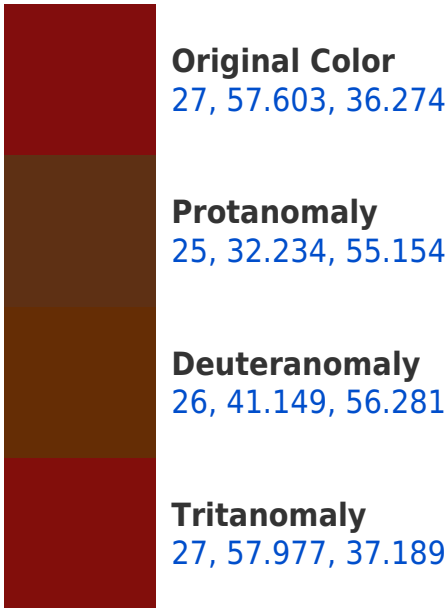
Deuteranopia

28, 37.406, 85.150

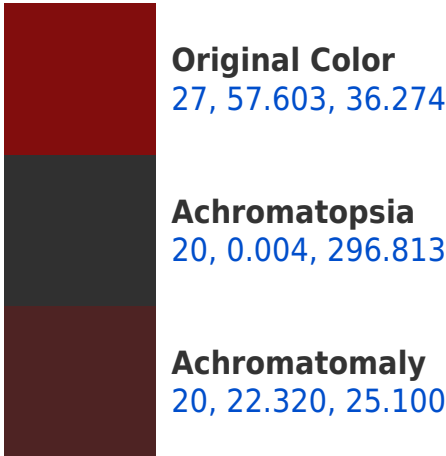


Tritanopia
27, 58.444, 37.847

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 57.603, 36.274 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, 13, 13)` looks like.

```
.text, #text, p{  
    color:rgb(130, 13, 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(130, 13, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 13, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 57.603, 36.274 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, 13, 13) }
```

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

```
.border{ border-color:rgb(130, 13, 13) }
```

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

Here you see how a box with a 4 pixel rgb(130, 13, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 13, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 13, 13);  
box-shadow:4px 4px 4px 4px rgb(130, 13,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 57.603, 36.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 13, 13) }
```

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

```
.background{ background-color: rgb(130, 13,  
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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