

Converting Colors

CIELCh(20, 74.361, 20.392)

Have a look what the booklet for
CIELCh(20, 74.361, 20.392) contains.

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Color

CIELCh(27, 59.101, 33.243)

Conversions

Conversions Part 1

Format	Color
Hex	850211
RGB	133, 2, 17
RGB Percent	52%, 1%, 7%
CMY	0.4773, 0.9920, 0.9338
CMYK	0.00, 0.98, 0.87, 0.48
HSL	353°, 97%, 27%
HSV	353°, 98%, 52%
XYZ	9.8396, 5.0937, 0.9897
YIQ	42.8790, 73.2610, 32.4370

Conversions

Conversions Part 2

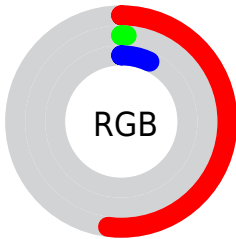
Format	Color
RYB	133, 2, 17
Decimal	8716817
CIELab	27.00, 49.43, 32.40
CIElCh	27, 59.101, 33.243
Yxy	5.0937, 0.6180, 0.3199
Android (android.graphics.Color)	4286906897 (0xFF850211)
YUV	42.8790, -12.7583, 79.0361
Hunter-Lab	22.5692, 38.3258, 13.1984

Details

The CIELCh color **27, 59.101, 33.243** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **50, 34.207, 181.184**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 59.109, 33.233**, and **12, 38.065, 30.569** is the 20% darker color. If you saturate the color by 10%, you get **27, 59.854, 33.782**, and if you desaturate by 10%, it is **28, 54.130, 28.967**.

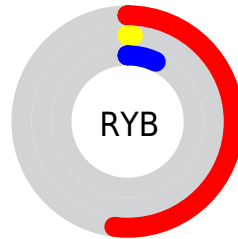
Distribution



Red (52%)

Green (1%)

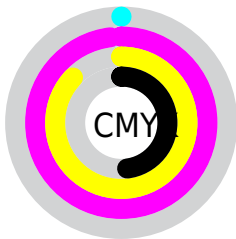
Blue (7%)



Red (52%)

Yellow (1%)

Blue (7%)

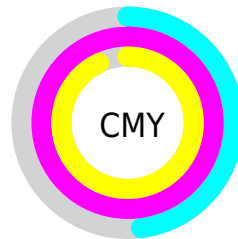


Cyan (0%)

Magenta (98%)

Yellow (87%)

Black (48%)



Cyan (48%)

Magenta (99%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 59.101, 33.243 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, 59.101, 33.243 by changing the saturation by 10% instead.

■ 27, 59.101, 33.243

■ 27, 59.101, 33.243

■ 100, 59.101,
33.243

■ 17, 59.101, 33.243

■ 47, 59.101, 33.243

■ 7, 59.101, 33.243

■ 57, 59.101, 33.243

■ 0, 59.101, 33.243

■ 67, 59.101, 33.243

■ 77, 59.101, 33.243

■ 87, 59.101, 33.243

■ 97, 59.101, 33.243

■ 27, 59.101, 33.243

■ 27, 59.101, 33.243

27, 59.854, 33.782

28, 54.130, 28.967

29, 48.629, 24.777

32, 42.568, 21.241

34, 36.125, 18.388

37, 29.512, 16.124

41, 22.931, 14.327

44, 16.534, 12.886

48, 10.418, 11.709

52, 4.632, 10.703

Harmonies

Complementary

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



27, 59.101, 33.243



50, 34.207, 181.184

Rectangle

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



27, 59.101, 33.243



27, 59.101, 83.243



27, 59.101, 213.243



27, 59.101, 263.243

Sweetspot

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



27, 59.099, 33.245



56, 21.737, 13.179



28, 71.549, 323.868



27, 14.907, 13.682



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



27, 59.099, 33.245



36, 73.494, 34.931



33, 54.337, 53.154



26, 3.080, 10.768



26, 58.707, 33.634



0, 0.718, 10.095

Inverse Universe

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



27, 59.099, 33.245



36, 73.494, 34.931



34, 34.064, 267.808



26, 3.080, 10.768



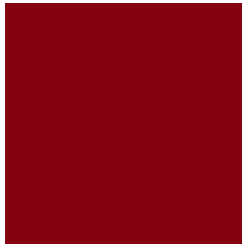
26, 58.707, 33.634



0, 0.718, 10.095

Previews

White Background



This preview shows how the CIELCh color 27, 59.101, 33.243 looks on a white background.

Color Contrast Check

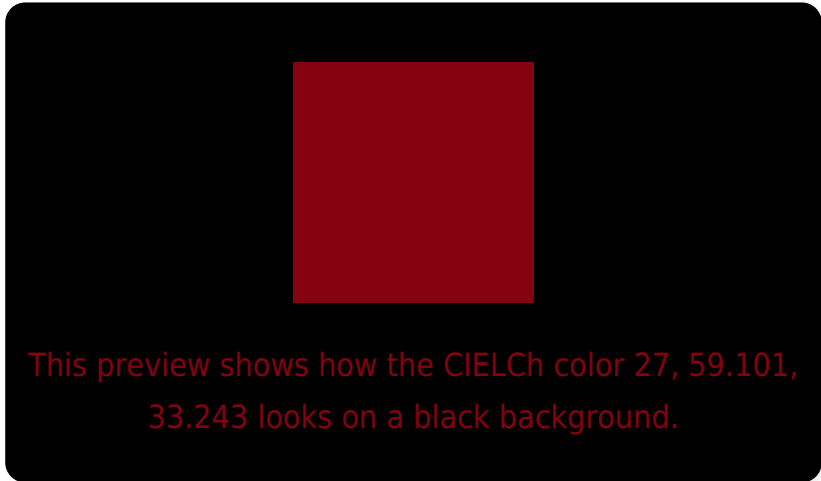
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 59.101, 33.243

Background



This preview shows how black text looks on a background with the CIELCh color 27, 59.101, 33.243.



This preview shows how white text looks on a background with the CIELCh color 27, 59.101, 33.243.

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, 58.960, 33.153

Protanopia

28, 24.095, 95.516

Deuteranopia

28, 37.797, 85.367



Tritanopia
27, 62.057, 40.373

Trichromacy



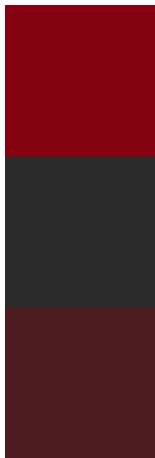
Original Color
27, 58.960, 33.153

Protanomaly
25, 32.041, 45.144

Deuteranomaly
25, 42.376, 52.145

Tritanomaly
27, 61.029, 37.998

Monochromacy



Original Color
27, 58.960, 33.153

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.618, 19.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 59.101, 33.243 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(133, 2, 17)` looks like.

```
.text, #text, p{  
    color:rgb(133, 2, 17)  
}
```

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(133, 2, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 2, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 59.101, 33.243 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(133, 2, 17) }
```

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

```
.border{ border-color:rgb(133, 2, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 2, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 2, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 2, 17);  
box-shadow:4px 4px 4px 4px rgb(133, 2, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 59.101, 33.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 2, 17) }
```

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

```
.background{ background-color: rgb(133, 2,  
17) }
```

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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