

Converting Colors

CIELCh(27, 49.170, 16.449)

Have a look what the booklet for
CIELCh(27, 49.170, 16.449) contains.

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Color

CIELCh(27, 49.185, 16.388)

Conversions

Conversions Part 1

Format	Color
Hex	800D2D
RGB	128, 13, 45
RGB Percent	50%, 5%, 18%
CMY	0.4972, 0.9476, 0.8229
CMYK	0.00, 0.90, 0.65, 0.50
HSL	343°, 81%, 28%
HSV	343°, 90%, 50%
XYZ	9.5604, 5.0937, 2.9784
YIQ	51.0330, 58.2680, 34.3320

Conversions

Conversions Part 2

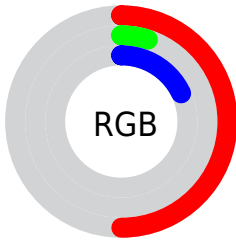
Format	Color
RYB	128, 13, 45
Decimal	8391981
CIELab	27.00, 47.19, 13.88
CIElCh	27, 49.185, 16.388
Yxy	5.0937, 0.5422, 0.2889
Android (android.graphics.Color)	4286582061 (0xFF800D2D)
YUV	51.0330, -2.9743, 67.5001
Hunter-Lab	22.5692, 36.1170, 7.9742

Details

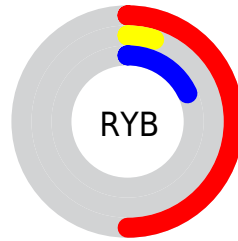
The CIELCh color **27, 49.185, 16.388** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 38.537, 166.387**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 49.043, 16.608**, and **12, 37.152, 29.991** is the 20% darker color. If you saturate the color by 10%, you get **26, 52.547, 21.044**, and if you desaturate by 10%, it is **28, 45.384, 12.176**.

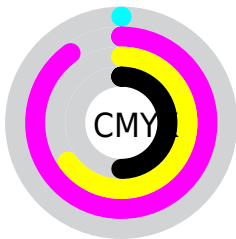
Distribution



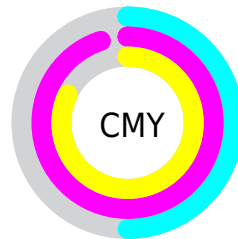
- Red (50%)
- Green (5%)
- Blue (18%)



- Red (50%)
- Yellow (5%)
- Blue (18%)



- Cyan (0%)
- Magenta (90%)
- Yellow (65%)
- Black (50%)



- Cyan (50%)
- Magenta (95%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 49.185, 16.388 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, 49.185, 16.388 by changing the saturation by 10% instead.

 27, 49.185, 16.388

 27, 49.185, 16.388

 100, 49.185,
16.388

 17, 49.185, 16.388

 47, 49.185, 16.388

 7, 49.185, 16.388

 57, 49.185, 16.388

 0, 49.185, 16.388

 67, 49.185, 16.388

 77, 49.185, 16.388

 87, 49.185, 16.388

 97, 49.185, 16.388

 27, 49.185, 16.388

 27, 49.185, 16.388

■ 26, 52.547, 21.044

■ 28, 45.384, 12.176

■ 26, 52.698, 21.226

■ 30, 40.730, 8.780

■ 33, 35.358, 6.076

■ 36, 29.502, 3.912

■ 39, 23.407, 2.156

■ 43, 17.273, 0.703

■ 46, 11.238,
359.472

■ 50, 5.390, 358.393

■ 54, 0.225, 179.102

Harmonies

Complementary

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



27, 49.185, 16.388



48, 38.537, 166.387

Rectangle

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



27, 49.185, 16.388



27, 49.185, 66.388



27, 49.185, 196.388



27, 49.185, 246.388

Sweetspot

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



27, 49.183, 16.390



56, 19.386, 0.445



25, 68.089, 318.546



27, 13.222, 0.816



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, 49.183, 16.390



35, 64.067, 22.655



30, 52.007, 43.713



25, 3.152, 358.342



26, 52.475, 21.191



0, 0.000, 0.000

Inverse Universe

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



27, 49.183, 16.390



35, 64.067, 22.655



40, 25.576, 234.166



25, 3.152, 358.342



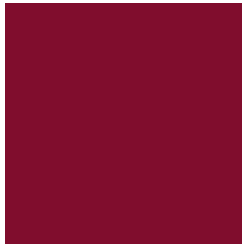
26, 52.475, 21.191



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 49.185, 16.388 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, 49.185, 16.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

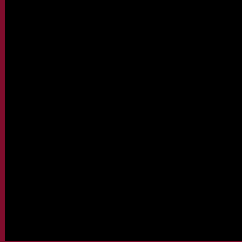
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 49.185, 16.388

Background



This preview shows how black text looks on a background with the CIELCh color 27, 49.185, 16.388.



This preview shows how white text looks on a background with the CIELCh color 27, 49.185, 16.388.

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, 49.185, 16.388

Protanopia

28, 1.099, 55.184

Deuteranopia

28, 17.319, 77.053



Tritanopia
27, 53.084, 34.551

Trichromacy



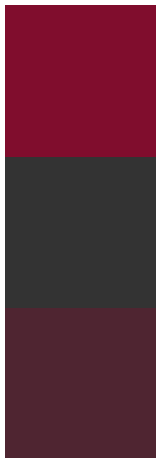
Original Color
27, 49.185, 16.388

Protanomaly
25, 21.118, 4.777

Deuteranomaly
26, 27.097, 29.145

Tritanomaly
27, 51.066, 28.487

Monochromacy



Original Color
27, 49.185, 16.388

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 21.258, 3.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 49.185, 16.388 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(128, 13, 45)` looks like.

```
.text, #text, p{  
    color:rgb(128, 13, 45)  
}
```

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(128, 13, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 13, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 49.185, 16.388 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(128, 13, 45) }
```

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

```
.border{ border-color:rgb(128, 13, 45) }
```

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

Here you see how a box with a 4 pixel rgb(128, 13, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 13, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 13, 45);  
box-shadow:4px 4px 4px 4px rgb(128, 13,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 49.185, 16.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 13, 45) }
```

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

```
.background{ background-color: rgb(128, 13,  
45) }
```

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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