

Converting Colors

CIELCh(28, 53.618, 11.491)

Have a look what the booklet for
CIELCh(28, 53.618, 11.491) contains.

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Color

CIELCh(28, 53.177, 11.904)

Conversions

Conversions Part 1

Format	Color
Hex	880034
RGB	136, 0, 52
RGB Percent	53%, 0%, 20%
CMY	0.4674, 1.0000, 0.7966
CMYK	0.00, 1.00, 0.62, 0.47
HSL	337°, 100%, 27%
HSV	337°, 100%, 53%
XYZ	10.7349, 5.4574, 3.7193
YIQ	46.5920, 64.3640, 45.0040

Conversions

Conversions Part 2

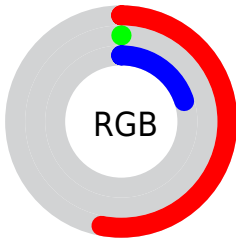
Format	Color
R_YB	136, 0, 52
Decimal	8912948
CIE Lab	28.00, 52.03, 10.97
CIE LCh	28, 53.177, 11.904
Yxy	5.4574, 0.5391, 0.2741
Android (android.graphics.Color)	4287103028 (0xFF880034)
YUV	46.5920, 2.6661, 78.4108
Hunter-Lab	23.3610, 41.1426, 6.9131

Details

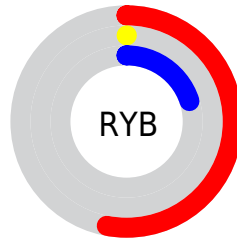
The CIELCh color **28, 53.177, 11.904** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 48.344, 156.571**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 53.193, 11.972**, and **14, 39.337, 28.809** is the 20% darker color. If you saturate the color by 10%, you get **28, 53.126, 11.945**, and if you desaturate by 10%, it is **29, 50.717, 7.617**.

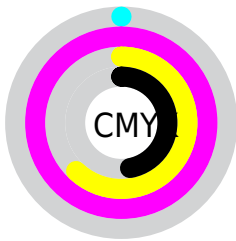
Distribution



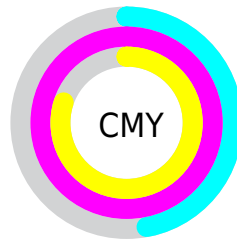
- Red (53%)
- Green (0%)
- Blue (20%)



- Red (53%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 53.177, 11.904 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, 53.177, 11.904 by changing the saturation by 10% instead.

 28, 53.177, 11.904

 28, 53.177, 11.904

 100, 53.177,
11.904

 18, 53.177, 11.904

 48, 53.177, 11.904

 8, 53.177, 11.904

 58, 53.177, 11.904

 0, 53.177, 11.904

 68, 53.177, 11.904

 78, 53.177, 11.904

 88, 53.177, 11.904

 98, 53.177, 11.904

 28, 53.177, 11.904

 28, 53.177, 11.904

■ 28, 53.126, 11.945

■ 29, 50.717, 7.617

■ 30, 47.624, 3.831

■ 33, 43.365, 0.821

■ 35, 38.109,
358.426

■ 38, 32.144,
356.494

■ 41, 25.762,
354.904

■ 45, 19.209,
353.564

■ 49, 12.663,
352.409

■ 53, 6.239, 351.381

Harmonies

Complementary

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



28, 53.177, 11.904



50, 48.344, 156.571

Rectangle

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



28, 53.177, 11.904



28, 53.177, 61.904



28, 53.177, 191.904



28, 53.177, 241.904

Sweetspot

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



28, 53.126, 11.945



57, 23.747, 353.646



22, 76.064, 315.141



28, 16.373, 354.117



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, 53.126, 11.945



37, 64.412, 13.218



28, 62.739, 41.060



27, 3.556, 351.298



27, 52.202, 11.813



0, 1.627, 350.542

Inverse Universe

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



28, 53.126, 11.945



37, 64.412, 13.218



46, 27.683, 216.998



27, 3.556, 351.298



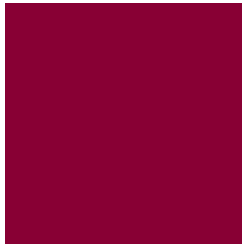
27, 52.202, 11.813



0, 1.627, 350.542

Previews

White Background



This preview shows how the CIELCh color 28, 53.177, 11.904 looks on a white background.

Color Contrast Check

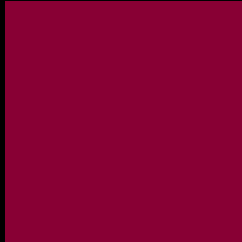
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.177, 11.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

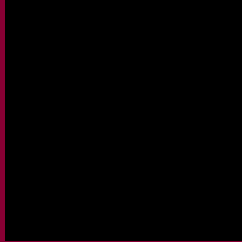
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 53.177, 11.904

Background



This preview shows how black text looks on a background with the CIELCh color 28, 53.177, 11.904.



This preview shows how white text looks on a background with the CIELCh color 28, 53.177, 11.904.

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, 53.177, 11.904

Protanopia

30, 4.499, 291.030

Deuteranopia

30, 16.018, 75.481



Tritanopia
29, 56.698, 35.488

Trichromacy



Original Color
28, 53.177, 11.904

Protanomaly
25, 25.758, 350.757

Deuteranomaly
26, 29.261, 20.156

Tritanomaly
28, 54.561, 27.407

Monochromacy



Original Color
28, 53.177, 11.904

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.338, 357.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 53.177, 11.904 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(136, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(136, 0, 52)  
}
```

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(136, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 53.177, 11.904 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(136, 0, 52) }
```

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

```
.border{ border-color:rgb(136, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(136, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(136, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 53.177, 11.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 52) }
```

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

```
.background{ background-color: rgb(136, 0,  
52) }
```

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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