

Converting Colors

CIELCh(52, 28.872, 106.500)

Have a look what the booklet for
CIELCh(52, 28.872, 106.500)
contains.

CIELCh(52, 28.903, 106.472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 28.903, 106.472)

Conversions

Conversions Part 1

Format	Color
Hex	7F7F4C
RGB	127, 127, 76
RGB Percent	50%, 50%, 30%
CMY	0.5027, 0.5027, 0.7027
CMYK	0.00, 0.00, 0.40, 0.50
HSL	60°, 25%, 40%
HSV	60°, 40%, 50%
XYZ	17.5850, 20.1443, 9.7656
YIQ	121.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

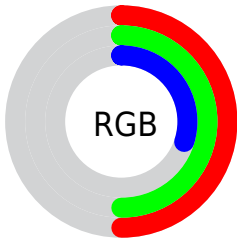
Format	Color
R_{YB}	76, 127, 76
Decimal	8355660
CIE Lab	52.00, -8.20, 27.72
CIE LCh	52, 28.903, 106.472
Yxy	20.1443, 0.3703, 0.4241
Android (android.graphics.Color)	4286545740 (0xFF7F7F4C)
YUV	121.1860, -22.2767, 5.0989
Hunter-Lab	44.8824, -8.6076, 18.5173

Details

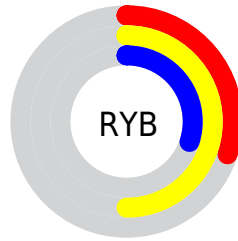
The CIELCh color $52, 28.903, 106.472$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 31.913, 295.306$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 28.939, 106.495$, and $32, 28.840, 105.978$ is the 20% darker color. If you saturate the color by 10%, you get $52, 35.632, 105.607$, and if you desaturate by 10%, it is $52, 21.897, 107.383$.

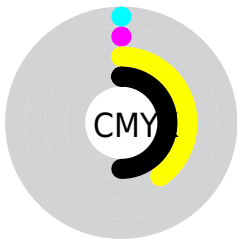
Distribution



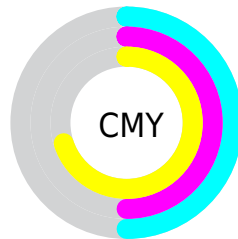
- Red (50%)
- Green (50%)
- Blue (30%)



- Red (30%)
- Yellow (50%)
- Blue (30%)



- Cyan (0%)
- Magenta (0%)
- Yellow (40%)
- Black (50%)




- Cyan (50%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 28.903, 106.472 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 52, 28.903, 106.472 by changing the saturation by 10% instead.


 52, 28.903,
106.472

 52, 28.903,
106.472

 100, 28.903,
106.472

 42, 28.903,
106.472


 72, 28.903,
106.472

 32, 28.903,
106.472

 82, 28.903,
106.472

 22, 28.903,
106.472

 92, 28.903,
106.472

 12, 28.903,
106.472

 2, 28.903, 106.472

 0, 28.903, 106.472

■ 52, 28.903,
106.472

■ 52, 28.903,
106.472

■ 52, 35.632,
105.607

■ 52, 21.897,
107.383

■ 52, 41.914,
104.807

■ 52, 14.724,
108.310

■ 52, 47.511,
104.105

■ 53, 7.458, 109.238

■ 51, 52.117,
103.538

■ 53, 0.147, 109.853

■ 53, 7.177, 291.073

■ 51, 55.420,
103.138

■ 54, 14.493,
291.944

■ 51, 57.743,
102.861

■ 54, 21.785,
292.784

■ 55, 29.042,
293.589

■ 55, 36.254,
294.354

Harmonies

Complementary

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



52, 28.903, 106.472



34, 31.913, 295.306

Rectangle

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



52, 28.903, 106.472



52, 28.903, 156.472



52, 28.903, 286.472



52, 28.903, 336.472

Sweetspot

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



52, 28.904, 106.475



68, 10.908, 109.046



38, 23.471, 23.090



35, 7.290, 108.950



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 28.904, 106.475



66, 42.471, 105.697



50, 31.128, 127.259



27, 4.136, 109.340



52, 57.970, 102.861



0, 0.000, 0.000

Inverse Universe

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



34, 31.913, 295.306



40, 48.295, 296.917



37, 32.902, 310.996



24, 4.222, 291.084



13, 80.045, 306.288



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 28.903, 106.472 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 28.903, 106.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

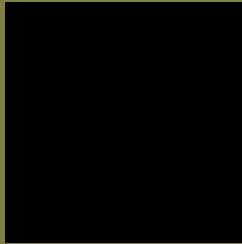
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 28.903, 106.472

Background



This preview shows how black text looks on a background with the CIELCh color 52, 28.903, 106.472.



This preview shows how white text looks on a background with the CIELCh color 52, 28.903, 106.472.

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


52, 28.903, 106.472

Protanopia

52, 28.488, 95.477

Deuteranopia

52, 27.681, 75.010



Tritanopia
52, 7.803, 332.199

Trichromacy



Original Color
52, 28.903, 106.472

Protanomaly
52, 28.676, 99.218

Deuteranomaly
52, 27.150, 86.125

Tritanomaly
52, 7.907, 80.743

Monochromacy



Original Color
52, 28.903, 106.472

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 10.417, 108.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 28.903, 106.472 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(127, 127, 76)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 76)  
}
```

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(127, 127, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 28.903, 106.472 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(127, 127, 76) }
```

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

```
.border{ border-color:rgb(127, 127, 76) }
```

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

Here you see how a box with a 4 pixel rgb(127, 127, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 76);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 28.903, 106.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 76) }
```

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

```
.background{ background-color: rgb(127,  
127, 76) }
```

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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