

Converting Colors

CIELCh(52, 57.977, 103.453)

Have a look what the booklet for
CIELCh(52, 57.977, 103.453)
contains.

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Color

CIELCh(52, 58.102, 103.834)

Conversions

Conversions Part 1

Format	Color
Hex	7F8102
RGB	127, 129, 2
RGB Percent	50%, 51%, 1%
CMY	0.5028, 0.4949, 0.9936
CMYK	0.02, 0.00, 0.99, 0.49
HSL	61°, 97%, 26%
HSV	61°, 99%, 51%
XYZ	16.5510, 20.1443, 3.0627
YIQ	113.9240, 39.5750, -39.9210

Conversions

Conversions Part 2

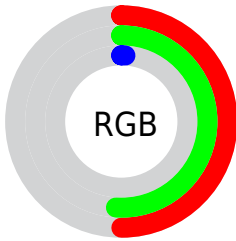
Format	Color
RYB	2, 129, 4
Decimal	8356098
CIELab	52.00, -13.89, 56.42
CIElCh	52, 58.102, 103.834
Yxy	20.1443, 0.4163, 0.5067
Android (android.graphics.Color)	4286546178 (0xFF7F8102)
YUV	113.9240, -55.1785, 11.4677
Hunter-Lab	44.8824, -12.7199, 27.3718

Details

The CIELCh color **52, 58.102, 103.834** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13, 79.776, 306.183**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 58.350, 104.006**, and **32, 41.943, 107.074** is the 20% darker color. If you saturate the color by 10%, you get **52, 58.409, 103.808**, and if you desaturate by 10%, it is **52, 55.691, 104.059**.

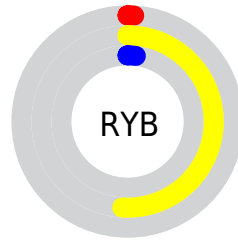
Distribution



Red (50%)

Green (51%)

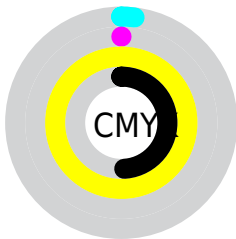
Blue (1%)



Red (1%)

Yellow (51%)

Blue (2%)

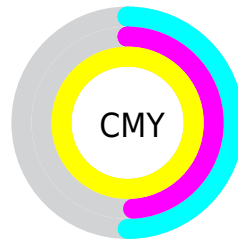


Cyan (2%)

Magenta (0%)

Yellow (99%)

Black (49%)



Cyan (50%)


Magenta (49%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 58.102, 103.834 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, 58.102, 103.834 by changing the saturation by 10% instead.


 52, 58.102,
103.834


 52, 58.102,
103.834


 100, 58.102,
103.834

 42, 58.102,
103.834


 72, 58.102,
103.834

 32, 58.102,
103.834

 82, 58.102,
103.834

 22, 58.102,
103.834

 92, 58.102,
103.834

 12, 58.102,
103.834

 2, 58.102, 103.834

 0, 58.102, 103.834

■ 52, 58.102,
103.834

■ 52, 58.102,
103.834

■ 52, 58.409,
103.808

■ 52, 55.691,
104.059

■ 52, 52.147,
104.434

■ 52, 47.322,
104.985

■ 52, 41.539,
105.673

■ 53, 35.100,
106.461

■ 53, 28.238,
107.313

■ 53, 21.111,
108.203

■ 53, 13.828,

109.110

■ 54, 6.459, 110.014

Harmonies

Complementary

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



52, 58.102, 103.834



13, 79.776, 306.183

Rectangle

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



52, 58.102, 103.834



52, 58.102, 153.834



52, 58.102, 283.834



52, 58.102, 333.834

Sweetspot

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



52, 58.102, 103.836



68, 27.401, 108.025



26, 61.054, 38.181



35, 18.559, 107.711



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, 58.102, 103.836



67, 71.011, 103.830



48, 64.992, 127.471



27, 4.137, 109.982



52, 57.984, 103.807



0, 0.000, 0.000

Inverse Universe

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



13, 79.776, 306.183



19, 97.943, 306.340



19, 74.354, 312.255



24, 4.223, 291.679



13, 79.950, 306.360



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 58.102, 103.834 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, 58.102, 103.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

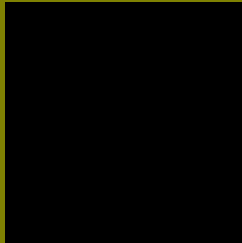
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 58.102, 103.834

Background



This preview shows how black text looks on a background with the CIELCh color 52, 58.102, 103.834.



This preview shows how white text looks on a background with the CIELCh color 52, 58.102, 103.834.

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, 58.102, 103.834

Protanopia

52, 57.383, 95.102

Deuteranopia

52, 54.270, 82.968



Tritanopia
52, 7.969, 339.412

Trichromacy



Original Color
52, 58.102, 103.834

Protanomaly
52, 57.451, 98.554

Deuteranomaly
52, 54.998, 90.959

Tritanomaly
51, 23.323, 97.223

Monochromacy



Original Color
52, 58.102, 103.834

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 26.422, 106.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 58.102, 103.834 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, 129, 2)` looks like.

```
.text, #text, p{  
    color:rgb(127, 129, 2)  
}
```

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, 129, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 129, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 58.102, 103.834 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, 129, 2) }
```

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

```
.border{ border-color:rgb(127, 129, 2) }
```

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

Here you see how a box with a 4 pixel rgb(127, 129, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 129, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 129, 2);  
box-shadow:4px 4px 4px 4px rgb(127, 129,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 58.102, 103.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 129, 2) }
```

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

```
.background{ background-color: rgb(127,  
129, 2) }
```

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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