

Converting Colors

CIELCh(52, 73.007, 102.316)

Have a look what the booklet for
CIELCh(52, 73.007, 102.316)
contains.

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Color

CIELCh(52, 58.475, 103.785)

Conversions

Conversions Part 1

Format	Color
Hex	7F8100
RGB	127, 129, 0
RGB Percent	50%, 51%, 0%
CMY	0.5028, 0.4949, 1.0000
CMYK	0.02, 0.00, 1.00, 0.49
HSL	61°, 100%, 25%
HSV	61°, 100%, 51%
XYZ	16.5438, 20.1443, 3.0066
YIQ	113.6960, 40.2170, -40.5430

Conversions

Conversions Part 2

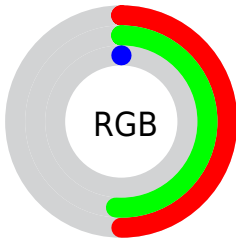
Format	Color
RYB	0, 129, 2
Decimal	8356096
CIELab	52.00, -13.93, 56.79
CIELCh	52, 58.475, 103.785
Yxy	20.1443, 0.4168, 0.5075
Android (android.graphics.Color)	4286546176 (0xFF7F8100)
YUV	113.6960, -56.0521, 11.6676
Hunter-Lab	44.8824, -12.7487, 27.4460

Details

The CIELCh color **52, 58.475, 103.785** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13, 80.543, 306.358**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 58.762, 103.969**, and **32, 41.943, 107.074** is the 20% darker color. If you saturate the color by 10%, you get **52, 58.413, 103.795**, and if you desaturate by 10%, it is **52, 56.040, 104.014**.

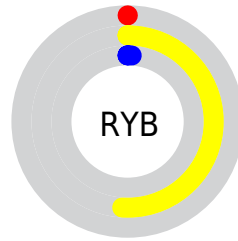
Distribution



Red (50%)

Green (51%)

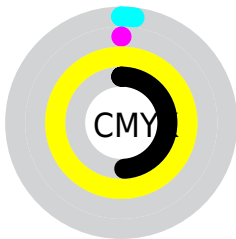
Blue (0%)



Red (0%)

Yellow (51%)

Blue (1%)

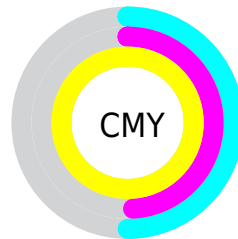


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (50%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 58.475, 103.785 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, 58.475, 103.785 by changing the saturation by 10% instead.


 52, 58.475,
103.785


 52, 58.475,
103.785


 100, 58.475,
103.785


 42, 58.475,
103.785


 72, 58.475,
103.785

 32, 58.475,
103.785

 82, 58.475,
103.785

 22, 58.475,
103.785

 92, 58.475,
103.785

 12, 58.475,
103.785

 2, 58.475, 103.785

 0, 58.475, 103.785

■ 52, 58.475,
103.785

■ 52, 58.475,
103.785

■ 52, 58.413,
103.795

■ 52, 56.040,
104.014

■ 52, 52.679,
104.365

■ 52, 48.000,
104.896

■ 52, 42.321,
105.569

■ 53, 35.951,
106.347

■ 53, 29.131,
107.193

■ 53, 22.031,
108.080

■ 53, 14.763,

108.986

■ 54, 7.401, 109.892

Harmonies

Complementary

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



52, 58.475, 103.785



13, 80.543, 306.358

Rectangle

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



52, 58.475, 103.785



52, 58.475, 153.785



52, 58.475, 283.785



52, 58.475, 333.785

Sweetspot

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



52, 58.413, 103.795



68, 27.401, 108.016



26, 61.624, 38.431



35, 18.559, 107.702



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, 58.413, 103.795



67, 71.011, 103.818



48, 65.422, 127.543



27, 4.137, 109.974



52, 57.984, 103.794



0, 0.000, 0.000

Inverse Universe

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



13, 80.543, 306.358



19, 97.944, 306.339



19, 74.955, 312.241



24, 4.223, 291.671



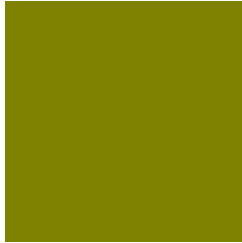
13, 79.951, 306.359



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 58.475, 103.785 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, 58.475, 103.785 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, 58.475, 103.785

Background



This preview shows how black text looks on a background with the CIELCh color 52, 58.475, 103.785.



This preview shows how white text looks on a background with the CIELCh color 52, 58.475, 103.785.

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, 58.475, 103.785

Protanopia

52, 57.383, 95.102

Deuteranopia

52, 54.270, 82.968



Tritanopia
52, 7.969, 339.412

Trichromacy



Original Color
52, 58.475, 103.785

Protanomaly
52, 57.642, 98.545

Deuteranomaly
52, 54.998, 90.959

Tritanomaly
51, 23.877, 97.363

Monochromacy



Original Color
52, 58.475, 103.785

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, 58.475, 103.785 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 129, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 129, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 58.475, 103.785 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, 0) }
```

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

```
.border{ border-color:rgb(127, 129, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 129,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 58.475, 103.785 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, 0) }
```

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

```
.background{ background-color: rgb(127,  
129, 0) }
```

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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