

Converting Colors

CIELCh(58, 52.203, 123.359)

Have a look what the booklet for
CIELCh(58, 52.203, 123.359)
contains.

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Color

CIELCh(58, 52.271, 123.455)

Conversions

Conversions Part 1

Format	Color
Hex	70973A
RGB	112, 151, 58
RGB Percent	44%, 59%, 23%
CMY	0.5600, 0.4071, 0.7718
CMYK	0.26, 0.00, 0.62, 0.41
HSL	85°, 44%, 41%
HSV	85°, 62%, 59%
XYZ	18.5735, 25.9610, 8.0599
YIQ	128.7370, 6.6090, -37.1910

Conversions

Conversions Part 2

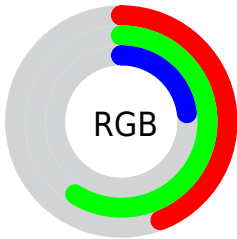
Format	Color
RYB	58, 151, 97
Decimal	7378746
CIELab	58.00, -28.82, 43.61
CIELCh	58, 52.271, 123.455
Yxy	25.9610, 0.3531, 0.4936
Android (android.graphics.Color)	4285568826 (0xFF70973A)
YUV	128.7370, -34.8733, -14.6783
Hunter-Lab	50.9519, -24.0973, 26.2875

Details

The CIELCh color **58, 52.271, 123.455** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **34, 58.416, 309.777**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 51.990, 123.412**, and **38, 52.460, 123.537** is the 20% darker color. If you saturate the color by 10%, you get **57, 59.171, 123.339**, and if you desaturate by 10%, it is **59, 44.559, 123.770**.

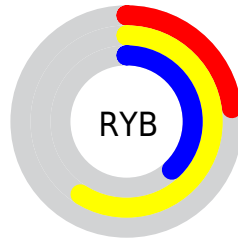
Distribution



Red (44%)

Green (59%)

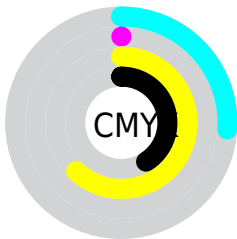
Blue (23%)



Red (23%)

Yellow (59%)

Blue (38%)

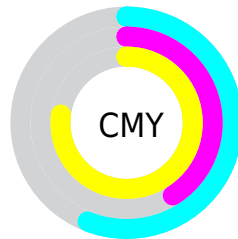


Cyan (26%)

Magenta (0%)

Yellow (62%)

Black (41%)



Cyan (56%)


Magenta (41%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 52.271, 123.455 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 58, 52.271, 123.455 by changing the saturation by 10% instead.

 58, 52.271,
123.455

 58, 52.271,
123.455


 100, 52.271,
123.455

 48, 52.271,
123.455


 78, 52.271,
123.455

 38, 52.271,
123.455

 88, 52.271,
123.455

 28, 52.271,
123.455

 98, 52.271,
123.455

 18, 52.271,
123.455

 8, 52.271, 123.455

 0, 52.271, 123.455

■ 58, 52.271,
123.455

■ 58, 52.271,
123.455

■ 57, 59.171,
123.339

■ 59, 44.559,
123.770

■ 57, 64.899,
123.526

■ 59, 36.318,
124.196

■ 57, 69.110,
124.132

■ 60, 27.753,
124.677

■ 56, 71.769,
124.865

■ 61, 19.008,
125.175

■ 62, 10.177,
125.670

■ 62, 1.331, 126.189

■ 63, 7.485, 306.566

■ 64, 16.234,
306.982

■ 65, 24.892,
307.361

Harmonies

Complementary

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



58, 52.271, 123.455



34, 58.416, 309.777

Rectangle

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



58, 52.271, 123.455



58, 52.271, 173.455



58, 52.271, 303.455



58, 52.271, 353.455

Sweetspot

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



58, 52.272, 123.456



77, 19.685, 125.332



46, 35.766, 59.783



41, 13.783, 125.198



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 52.272, 123.456



73, 74.734, 123.370



56, 60.144, 137.729



32, 5.042, 125.781



53, 67.877, 124.757



3, 5.471, 126.553

Inverse Universe

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



34, 58.416, 309.777



38, 85.992, 310.441



40, 60.119, 324.848



30, 5.120, 306.635



19, 81.141, 310.464



1, 5.455, 305.946

Previews

White Background



This preview shows how the CIE LCh color 58, 52.271, 123.455 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 58, 52.271, 123.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

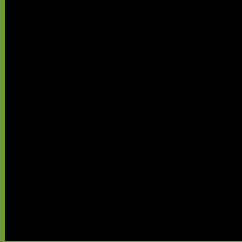
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 52.271, 123.455

Background



This preview shows how black text looks on a background with the CIELCh color 58, 52.271, 123.455.



This preview shows how white text looks on a background with the CIELCh color 58, 52.271, 123.455.

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](#).

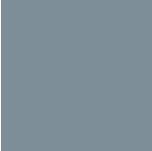
Dichromacy



Original Color
58, 52.271, 123.455

Protanopia
58, 45.980, 95.468

Deuteranopia
58, 42.559, 79.571



Tritanopia
58, 8.693, 245.198

Trichromacy



Original Color
58, 52.271, 123.455

Protanomaly
57, 46.617, 106.939

Deuteranomaly
57, 42.318, 98.285

Tritanomaly
58, 17.861, 142.383

Monochromacy



Original Color
58, 52.271, 123.455

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 20.180, 124.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 52.271, 123.455 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(112, 151, 58)` looks like.

```
.text, #text, p{  
    color:rgb(112, 151, 58)  
}
```

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(112, 151, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 151, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 52.271, 123.455 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(112, 151, 58) }
```

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

```
.border{ border-color:rgb(112, 151, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 151, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 151, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 151, 58);  
box-shadow:4px 4px 4px 4px rgb(112, 151,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 52.271, 123.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 151, 58) }
```

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

```
.background{ background-color: rgb(112,  
151, 58) }
```

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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