

Converting Colors

CIELCh(58, 58.650, 104.671)

Have a look what the booklet for
CIELCh(58, 58.650, 104.671)
contains.

CIELCh(58, 58.671, 104.752)	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(58, 58.671, 104.752)

Conversions

Conversions Part 1

Format	Color
Hex	8E911A
RGB	142, 145, 26
RGB Percent	56%, 57%, 10%
CMY	0.4443, 0.4325, 0.8995
CMYK	0.02, 0.00, 0.82, 0.43
HSL	62°, 70%, 33%
HSV	62°, 82%, 57%
XYZ	21.3678, 25.9610, 4.8403
YIQ	130.5370, 36.4110, -37.6450

Conversions

Conversions Part 2

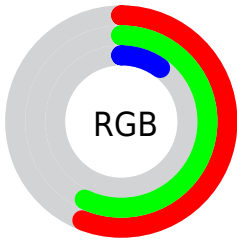
Format	Color
R_{YB}	26, 145, 29
Decimal	9343258
CIE _{Lab}	58.00, -14.94, 56.74
CIE _{LCh}	58, 58.671, 104.752
Yxy	25.9610, 0.4096, 0.4976
Android (android.graphics.Color)	4287533338 (0xFF8E911A)
YUV	130.5370, -51.5367, 10.0531
Hunter-Lab	50.9519, -14.3080, 30.0339

Details

The CIELCh color **58, 58.671, 104.752** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **20, 76.478, 304.114**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 59.016, 104.740**, and **38, 47.217, 107.100** is the 20% darker color. If you saturate the color by 10%, you get **58, 61.846, 104.500**, and if you desaturate by 10%, it is **58, 53.940, 105.211**.

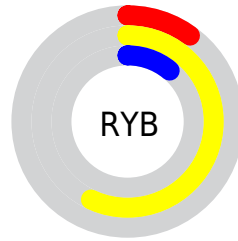
Distribution



Red (56%)

Green (57%)

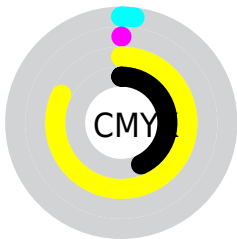
Blue (10%)



Red (10%)

Yellow (57%)

Blue (11%)

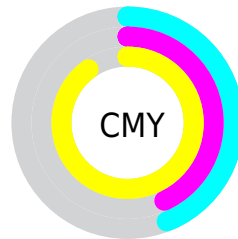


Cyan (2%)

Magenta (0%)

Yellow (82%)

Black (43%)



Cyan (44%)


Magenta (43%)


Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 58.671, 104.752 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, 58.671, 104.752 by changing the saturation by 10% instead.


 58, 58.671,
104.752


 58, 58.671,
104.752


 100, 58.671,
104.752


 48, 58.671,
104.752


 78, 58.671,
104.752

 38, 58.671,
104.752

 88, 58.671,
104.752

 28, 58.671,
104.752

 98, 58.671,
104.752

 18, 58.671,
104.752

 8, 58.671, 104.752

 0, 58.671, 104.752

■ 58, 58.671,
104.752

■ 58, 58.671,
104.752

■ 58, 61.846,
104.500

■ 58, 53.940,
105.211

■ 58, 63.583,
104.394

■ 58, 47.985,
105.832

■ 58, 41.167,
106.575

■ 59, 33.781,
107.399

■ 59, 26.039,
108.272

■ 59, 18.082,
109.170

■ 60, 10.002,
110.074

■ 60, 1.860, 110.952

Harmonies

Complementary

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



58, 58.671, 104.752



20, 76.478, 304.114

Rectangle

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



58, 58.671, 104.752



58, 58.671, 154.752



58, 58.671, 284.752



58, 58.671, 334.752

Sweetspot

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



58, 58.671, 104.754



75, 25.143, 108.878



32, 57.550, 34.455



39, 17.067, 108.597



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



58, 58.671, 104.754



74, 77.121, 104.432



54, 64.917, 127.064



30, 4.548, 110.353



54, 60.497, 104.384



2, 3.086, 111.176

Inverse Universe

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



20, 76.478, 304.114



23, 106.078, 306.272



26, 72.695, 312.999



27, 4.644, 292.056



14, 83.340, 306.396



0, 3.086, 291.177

Previews

White Background



This preview shows how the CIELCh color 58, 58.671, 104.752 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, 58.671, 104.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

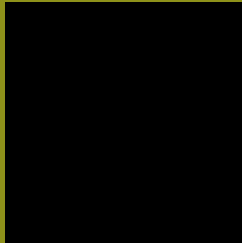
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 58.671, 104.752

Background



This preview shows how black text looks on a background with the CIELCh color 58, 58.671, 104.752.



This preview shows how white text looks on a background with the CIELCh color 58, 58.671, 104.752.

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, 58.671, 104.752

Protanopia

58, 58.013, 95.439

Deuteranopia

58, 55.964, 82.377



Tritanopia
58, 8.474, 338.215

Trichromacy



Original Color
58, 58.671, 104.752

Protanomaly
58, 58.008, 99.221

Deuteranomaly
58, 56.033, 90.936

Tritanomaly
58, 21.207, 97.139

Monochromacy



Original Color
58, 58.671, 104.752

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 24.277, 108.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 58.671, 104.752 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(142, 145, 26)` looks like.

```
.text, #text, p{  
    color:rgb(142, 145, 26)  
}
```

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(142, 145, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 145, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 58.671, 104.752 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(142, 145, 26) }
```

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

```
.border{ border-color:rgb(142, 145, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 145, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 145, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 145, 26);  
box-shadow:4px 4px 4px 4px rgb(142, 145,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 58.671, 104.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 145, 26) }
```

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

```
.background{ background-color: rgb(142,  
145, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor