

Converting Colors

CIELCh(58, 10.362, 175.819)

Have a look what the booklet for
CIELCh(58, 10.362, 175.819)
contains.

CIELCh(58, 10.362, 175.819)	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, 10.362, 175.819)

Conversions

Conversions Part 1

Format	Color
Hex	78918A
RGB	120, 145, 138
RGB Percent	47%, 57%, 54%
CMY	0.5305, 0.4325, 0.4600
CMYK	0.17, 0.00, 0.05, 0.43
HSL	163°, 10%, 52%
HSV	163°, 17%, 57%
XYZ	22.3536, 25.9610, 27.7679
YIQ	136.7270, -12.6530, -7.4770

Conversions

Conversions Part 2

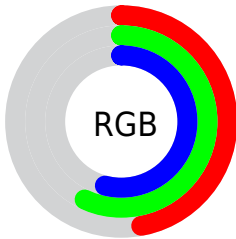
Format	Color
R_{YB}	120, 135, 145
Decimal	7901578
CIE _{Lab}	58.00, -10.33, 0.76
CIE _{LCh}	58, 10.362, 175.819
Yxy	25.9610, 0.2938, 0.3412
Android (android.graphics.Color)	4286091658 (0xFF78918A)
YUV	136.7270, 0.6276, -14.6696
Hunter-Lab	50.9519, -10.8545, 3.3543

Details

The CIELCh color $58, 10.362, 175.819$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $53, 10.914, 359.013$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 10.377, 174.262$, and $38, 10.712, 174.298$ is the 20% darker color. If you saturate the color by 10%, you get $57, 16.137, 174.799$, and if you desaturate by 10%, it is $59, 4.403, 176.800$.

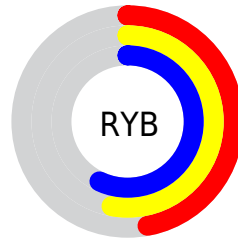
Distribution



Red (47%)

Green (57%)

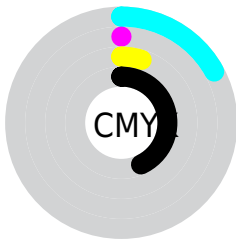
Blue (54%)



Red (47%)

Yellow (53%)

Blue (57%)

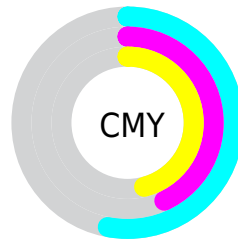


Cyan (17%)

Magenta (0%)

Yellow (5%)

Black (43%)



Cyan (53%)


Magenta (43%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 10.362, 175.819 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, 10.362, 175.819 by changing the saturation by 10% instead.


 58, 10.362,
175.819


 58, 10.362,
175.819


 100, 10.362,
175.819


 48, 10.362,
175.819


 78, 10.362,
175.819

 38, 10.362,
175.819

 88, 10.362,
175.819

 28, 10.362,
175.819

 98, 10.362,
175.819

 18, 10.362,
175.819

 8, 10.362, 175.819

 0, 10.362, 175.819

■ 58, 10.362,
175.819

■ 58, 10.362,
175.819

■ 57, 16.137,
174.799

■ 59, 4.403, 176.800

■ 56, 21.633,
173.710

■ 60, 1.666, 357.363

■ 62, 7.775, 358.375

■ 55, 26.755,
172.524

■ 63, 13.872,
359.189

■ 55, 31.409,
171.221

■ 65, 19.915,
359.954

■ 54, 35.514,
169.777

■ 66, 25.876, 0.683

■ 54, 39.013,
168.171

■ 68, 31.733, 1.382


■ 70, 37.473, 2.054

■ 53, 41.891,
166.383

■ 72, 43.089, 2.700

■ 53, 44.234,

164.444

 53, 44.854,
163.932

Harmonies

Complementary

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



58, 10.362, 175.819



53, 10.914, 359.013

Rectangle

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



58, 10.362, 175.819



58, 10.362, 225.819



58, 10.362, 355.819



58, 10.362, 45.819

Sweetspot

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



58, 10.363, 175.815



76, 3.763, 177.031



58, 15.904, 135.508



40, 2.558, 176.962



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, 10.363, 175.815



73, 15.564, 175.399



57, 7.822, 222.190



30, 3.377, 176.609



50, 42.587, 164.076



2, 2.301, 177.369

Inverse Universe

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



53, 10.914, 359.013



66, 16.607, 359.494



54, 8.708, 40.985



28, 3.471, 358.140



28, 54.756, 21.274



0, 2.301, 357.356

Previews

White Background



This preview shows how the CIELCh color 58, 10.362, 175.819 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, 10.362, 175.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

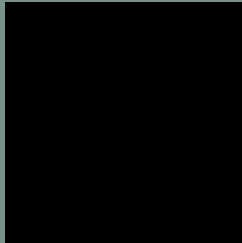
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

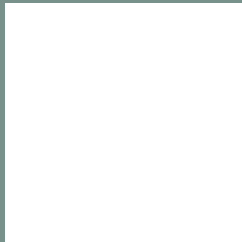
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 10.362, 175.819

Background



This preview shows how black text looks on a background with the CIELCh color 58, 10.362, 175.819.



This preview shows how white text looks on a background with the CIELCh color 58, 10.362, 175.819.

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](#).

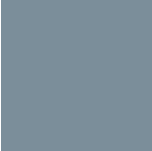
Dichromacy



Original Color
58, 10.362, 175.819

Protanopia
58, 3.003, 68.380

Deuteranopia
58, 7.316, 357.366



Tritanopia
58, 9.558, 244.717

Trichromacy



Original Color
58, 10.362, 175.819

Protanomaly
58, 3.467, 144.305

Deuteranomaly
58, 0.392, 18.369

Tritanomaly
58, 8.189, 219.159

Monochromacy



Original Color
58, 10.362, 175.819

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 3.684, 181.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 10.362, 175.819 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(120, 145, 138)` looks like.

```
.text, #text, p{  
    color:rgb(120, 145, 138)  
}
```

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(120, 145, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 145, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 10.362, 175.819 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(120, 145, 138) }
```

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

```
.border{ border-color:rgb(120, 145, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 145, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 145, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 145, 138); box-shadow:4px 4px 4px 4px rgb(120, 145, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 10.362, 175.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 145, 138) }
```

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

```
.background{ background-color: rgb(120,  
145, 138) }
```

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