

Converting Colors

CIELCh(58, 35.776, 158.243)

Have a look what the booklet for
CIELCh(58, 35.776, 158.243)
contains.

CIELCh(58, 35.800, 158.203)	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, 35.800, 158.203)

Conversions

Conversions Part 1

Format	Color
Hex	4D9A73
RGB	77, 154, 115
RGB Percent	30%, 60%, 45%
CMY	0.6977, 0.3957, 0.5487
CMYK	0.50, 0.00, 0.25, 0.40
HSL	150°, 33%, 45%
HSV	150°, 50%, 60%
XYZ	17.7367, 25.9610, 20.3202
YIQ	126.5310, -33.3730, -28.4530

Conversions

Conversions Part 2

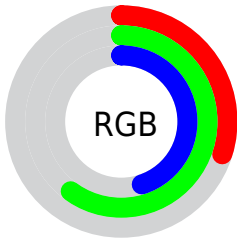
Format	Color
RYB	77, 129, 154
Decimal	5085811
CIELab	58.00, -33.24, 13.29
CIELCh	58, 35.800, 158.203
Yxy	25.9610, 0.2771, 0.4055
Android (android.graphics.Color)	4283275891 (0xFF4D9A73)
YUV	126.5310, -5.6848, -43.4387
Hunter-Lab	50.9519, -27.0288, 12.0208

Details

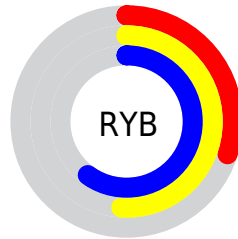
The CIELCh color **58, 35.800, 158.203** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **43, 37.687, 348.445**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 35.792, 158.093**, and **38, 35.615, 158.435** is the 20% darker color. If you saturate the color by 10%, you get **57, 42.069, 156.764**, and if you desaturate by 10%, it is **59, 29.079, 159.474**.

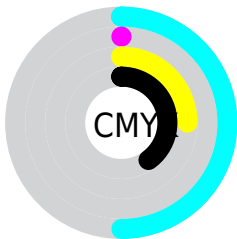
Distribution



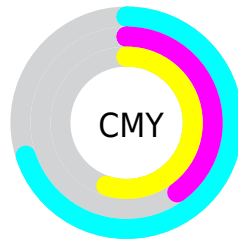
- Red (30%)
- Green (60%)
- Blue (45%)



- Red (30%)
- Yellow (51%)
- Blue (60%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (40%)





- Cyan (70%)
- Magenta (40%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 35.800, 158.203 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, 35.800, 158.203 by changing the saturation by 10% instead.


 58, 35.800,
158.203


 58, 35.800,
158.203


 100, 35.800,
158.203


 48, 35.800,
158.203


 78, 35.800,
158.203

 38, 35.800,
158.203

 88, 35.800,
158.203

 28, 35.800,
158.203

 98, 35.800,
158.203

 18, 35.800,
158.203

 8, 35.800, 158.203

 0, 35.800, 158.203

■ 58, 35.800,
158.203

■ 58, 35.800,
158.203

■ 57, 42.069,
156.764

■ 59, 29.079,
159.474

■ 57, 47.774,
155.137

■ 60, 22.023,
160.602

■ 56, 52.839,
153.308

■ 61, 14.752,
161.611

■ 56, 57.230,
151.279

■ 62, 7.372, 162.532

■ 56, 61.095,
149.172

■ 64, 0.027, 330.918

■ 56, 61.106,
149.166

■ 65, 7.370, 343.993

■ 67, 14.606,
344.695

■ 69, 21.693,
345.330

■ 70, 28.606,
345.917

Harmonies

Complementary

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



58, 35.800, 158.203



43, 37.687, 348.445

Rectangle

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



58, 35.800, 158.203



58, 35.800, 208.203



58, 35.800, 338.203



58, 35.800, 28.203

Sweetspot

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



58, 35.801, 158.202



79, 13.796, 162.049



59, 44.714, 126.208



41, 9.485, 161.867



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



58, 35.801, 158.202



73, 52.203, 156.574



59, 24.906, 195.493



32, 4.153, 162.600



51, 56.807, 149.372



3, 4.520, 162.866

Inverse Universe

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



43, 37.687, 348.445



52, 54.977, 350.217



42, 35.143, 23.704



30, 4.203, 343.997



30, 54.493, 0.357



1, 4.468, 343.750

Previews

White Background



This preview shows how the CIELCh color 58, 35.800, 158.203 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 CIE LCh color 58, 35.800, 158.203 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, 35.800, 158.203

Background



This preview shows how black text looks on a background with the CIELCh color 58, 35.800, 158.203.



This preview shows how white text looks on a background with the CIELCh color 58, 35.800, 158.203.

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, 35.800, 158.203

Protanopia

58, 17.492, 94.038

Deuteranopia

58, 13.248, 53.849



Tritanopia
58, 20.163, 217.754

Trichromacy



Original Color
58, 35.800, 158.203

Protanomaly
57, 20.727, 133.667

Deuteranomaly
57, 13.941, 129.128

Tritanomaly
58, 22.547, 188.546

Monochromacy



Original Color
58, 35.800, 158.203

Achromatopsia
53, 0.007, 296.813

Achromatomaly
55, 13.644, 161.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 35.800, 158.203 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(77, 154, 115)` looks like.

```
.text, #text, p{  
    color:rgb(77, 154, 115)  
}
```

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(77, 154, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 154, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 35.800, 158.203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

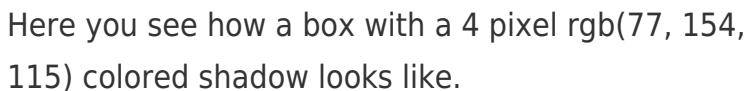
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 154, 115) }
```

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

```
.border{ border-color:rgb(77, 154, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 154, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 154, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 154, 115);  
box-shadow:4px 4px 4px 4px rgb(77, 154,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 35.800, 158.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 154, 115) }
```

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

```
.background{ background-color: rgb(77, 154,  
115) }
```

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