

Converting Colors

CIE LCh(58, 24.119, 189.012)

Have a look what the booklet for
CIELCh(58, 24.119, 189.012)
contains.

CIELCh(58, 24.118, 188.991)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 24.118, 188.991)

Conversions

Conversions Part 1

Format	Color
Hex	509791
RGB	80, 151, 145
RGB Percent	31%, 59%, 57%
CMY	0.6855, 0.4071, 0.4306
CMYK	0.47, 0.00, 0.04, 0.41
HSL	175°, 31%, 45%
HSV	175°, 47%, 59%
XYZ	19.5492, 25.9610, 30.8470
YIQ	129.0870, -40.3900, -16.9180

Conversions

Conversions Part 2

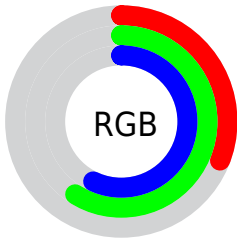
Format	Color
R_{YB}	80, 117, 151
Decimal	5281681
CIE _{Lab}	58.00, -23.82, -3.77
CIE _{LCh}	58, 24.118, 188.991
Yxy	25.9610, 0.2560, 0.3400
Android (android.graphics.Color)	4283471761 (0xFF509791)
YUV	129.0870, 7.8451, -43.0493
Hunter-Lab	50.9519, -20.6790, -0.2287

Details

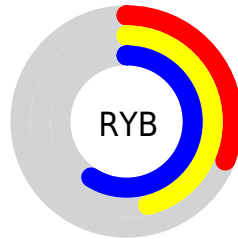
The CIELCh color **58, 24.118, 188.991** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 31.761, 18.074**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 24.285, 188.689**, and **38, 24.118, 189.063** is the 20% darker color. If you saturate the color by 10%, you get **57, 27.888, 188.223**, and if you desaturate by 10%, it is **59, 19.760, 189.738**.

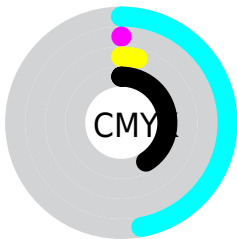
Distribution



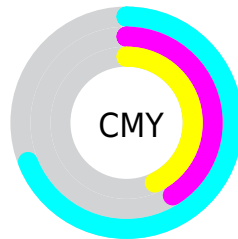
- Red (31%)
- Green (59%)
- Blue (57%)



- Red (31%)
- Yellow (46%)
- Blue (59%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (41%)





- Cyan (69%)
- Magenta (41%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 24.118, 188.991 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, 24.118, 188.991 by changing the saturation by 10% instead.


 58, 24.118,
188.991


 58, 24.118,
188.991


 100, 24.118,
188.991


 48, 24.118,
188.991


 78, 24.118,
188.991


 38, 24.118,
188.991

 88, 24.118,
188.991

 28, 24.118,
188.991

 98, 24.118,
188.991

 18, 24.118,
188.991

 8, 24.118, 188.991

 0, 24.118, 188.991

■ 58, 24.118,
188.991

■ 58, 24.118,
188.991

■ 57, 27.888,
188.223

■ 59, 19.760,
189.738

■ 57, 31.002,
187.429

■ 60, 14.898,
190.480

■ 57, 33.423,
186.593

■ 61, 9.625, 191.224

■ 56, 35.153,
185.698

■ 62, 4.031, 192.012

■ 63, 1.797, 12.381

■ 56, 36.282,
184.739

■ 64, 7.784, 13.287

■ 56, 36.590,
184.450

■ 66, 13.868, 14.025

■ 67, 19.996, 14.741

■ 69, 26.128, 15.444

Harmonies

Complementary

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



58, 24.118, 188.991



43, 31.761, 18.074

Rectangle

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



58, 24.118, 188.991



58, 24.118, 238.991



58, 24.118, 8.991



58, 24.118, 58.991

Sweetspot

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



58, 24.118, 188.989



77, 9.894, 191.427



57, 46.936, 138.638



41, 6.854, 191.275



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, 24.118, 188.989



73, 33.900, 188.211



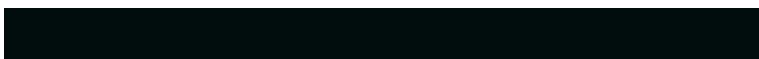
50, 21.004, 251.428



32, 3.294, 191.821



52, 34.617, 184.522



3, 3.635, 191.655

Inverse Universe

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



43, 31.761, 18.074



51, 47.751, 20.333



50, 26.184, 59.415



30, 3.455, 13.058



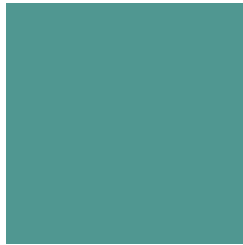
28, 63.344, 35.557



1, 3.627, 12.520

Previews

White Background



This preview shows how the CIE LCh color 58, 24.118, 188.991 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, 24.118, 188.991 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, 24.118, 188.991

Background



This preview shows how black text looks on a background with the CIELCh color 58, 24.118, 188.991.

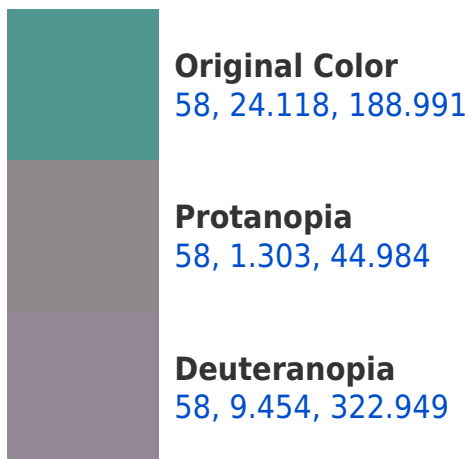



This preview shows how white text looks on a background with the CIELCh color 58, 24.118, 188.991.

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





Tritanopia
58, 21.388, 216.454

Trichromacy



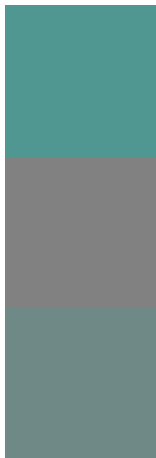
Original Color
58, 24.118, 188.991

Protanomaly
58, 9.233, 187.846

Deuteranomaly
57, 7.669, 230.339

Tritanomaly
58, 21.938, 204.992

Monochromacy



Original Color
58, 24.118, 188.991

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 9.871, 191.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 24.118, 188.991 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(80, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 151, 145)  
}
```

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(80, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 151, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 24.118, 188.991 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(80, 151, 145) }
```

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

```
.border{ border-color:rgb(80, 151, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 151, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 151,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 24.118, 188.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 151, 145) }
```

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

```
.background{ background-color: rgb(80, 151,  
145) }
```

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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