

Converting Colors

CIELCh(58, 28.687, 196.031)

Have a look what the booklet for
CIELCh(58, 28.687, 196.031)
contains.

CIELCh(58, 28.642, 195.701)	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, 28.642, 195.701)

Conversions

Conversions Part 1

Format	Color
Hex	3A9998
RGB	58, 153, 152
RGB Percent	23%, 60%, 60%
CMY	0.7724, 0.3999, 0.4038
CMYK	0.62, 0.00, 0.01, 0.40
HSL	179°, 45%, 41%
HSV	179°, 62%, 60%
XYZ	18.8132, 25.9610, 33.7382
YIQ	124.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

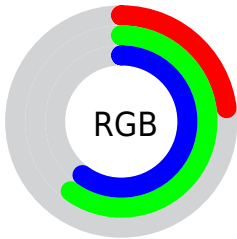
Format	Color
R_{YB}	58, 106, 153
Decimal	3840408
CIE _{Lab}	58.00, -27.57, -7.75
CIE _{LCh}	58, 28.642, 195.701
Yxy	25.9610, 0.2396, 0.3307
Android (android.graphics.Color)	4282030488 (0xFF3A9998)
YUV	124.4810, 13.5669, -58.3038
Hunter-Lab	50.9519, -23.2576, -3.5930




Details

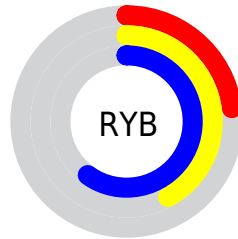
The CIELCh color **58, 28.642, 195.701** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 44.705, 26.951**, and the grayscale version is **52, 0.007, 296.813**.




A 20% lighter version of the original color is **78, 28.876, 195.191**, and **38, 25.396, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **58, 31.111, 195.406**, and if you desaturate by 10%, it is **59, 25.467, 196.042**.

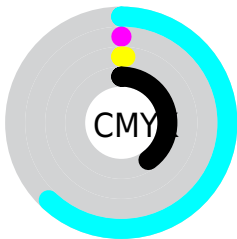
Distribution







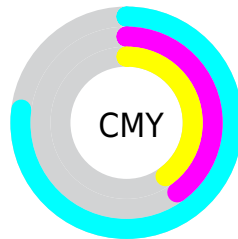
-  Red (23%)
-  Green (60%)
-  Blue (60%)






-  Red (23%)
-  Yellow (42%)
-  Blue (60%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (40%)





-  Cyan (77%)
-  Magenta (40%)
-  Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 28.642, 195.701 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, 28.642, 195.701 by changing the saturation by 10% instead.


 58, 28.642,
195.701


 58, 28.642,
195.701


 100, 28.642,
195.701


 48, 28.642,
195.701


 78, 28.642,
195.701

 38, 28.642,
195.701

 88, 28.642,
195.701

 28, 28.642,
195.701

 98, 28.642,
195.701

 18, 28.642,
195.701

 8, 28.642, 195.701

 0, 28.642, 195.701

■ 58, 28.642,
195.701

■ 58, 28.642,
195.701

■ 58, 31.111,
195.406

■ 59, 25.467,
196.042

■ 57, 32.867,
195.159

■ 59, 21.630,
196.436

■ 57, 33.945,
194.951

■ 60, 17.199,
196.880

■ 57, 34.493,
194.804

■ 61, 12.259,
197.372

■ 62, 6.900, 197.921

■ 63, 1.211, 198.782

■ 64, 4.723, 18.894

■ 66, 10.832, 19.547

■ 67, 17.052, 20.176

Harmonies

Complementary

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



58, 28.642, 195.701



38, 44.705, 26.951

Rectangle

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



58, 28.642, 195.701



58, 28.642, 245.701



58, 28.642, 15.701



58, 28.642, 65.701

Sweetspot

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



58, 28.642, 195.699



78, 13.174, 197.514



56, 62.206, 138.875



40, 8.971, 197.376



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, 28.642, 195.699



73, 38.593, 195.317



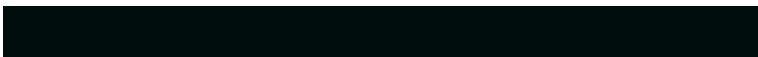
44, 30.007, 266.304



32, 3.252, 198.096



53, 32.363, 194.816



3, 3.597, 198.422

Inverse Universe

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



38, 44.705, 26.951



45, 67.042, 31.059



48, 36.533, 66.161



30, 3.438, 19.042



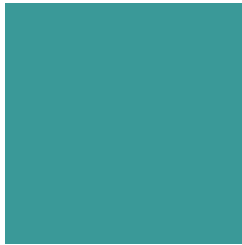
28, 65.758, 38.634



1, 3.597, 18.541

Previews

White Background



This preview shows how the CIE LCh color 58, 28.642, 195.701 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, 28.642, 195.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

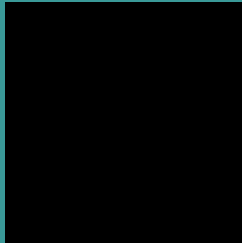
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 28.642, 195.701

Background



This preview shows how black text looks on a background with the CIELCh color 58, 28.642, 195.701.

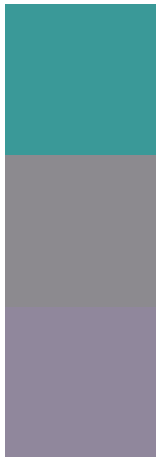


This preview shows how white text looks on a background with the CIELCh color 58, 28.642, 195.701.

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, 28.642, 195.701

Protanopia

58, 2.964, 305.645

Deuteranopia

58, 12.489, 307.182



Tritanopia
58, 26.539, 213.594

Trichromacy



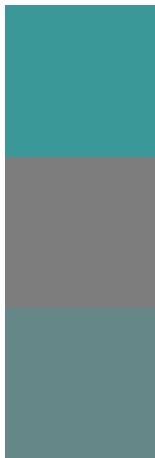
Original Color
58, 28.642, 195.701

Protanomaly
57, 12.023, 206.551

Deuteranomaly
57, 12.448, 235.373

Tritanomaly
58, 27.109, 206.854

Monochromacy



Original Color
58, 28.642, 195.701

Achromatopsia
52, 0.007, 296.813

Achromatomaly
54, 12.485, 198.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 28.642, 195.701 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(58, 153, 152)` looks like.

```
.text, #text, p{  
    color:rgb(58, 153, 152)  
}
```

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(58, 153, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 153, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 28.642, 195.701 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(58, 153, 152) }
```

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

```
.border{ border-color:rgb(58, 153, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 153, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 153, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 153, 152);  
box-shadow:4px 4px 4px 4px rgb(58, 153,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 28.642, 195.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 153, 152) }
```

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

```
.background{ background-color: rgb(58, 153,  
152) }
```

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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