

Converting Colors

CIELCh(58, 20.223, 173.599)

Have a look what the booklet for
CIELCh(58, 20.223, 173.599)
contains.

CIELCh(58, 20.100, 174.117)	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, 20.100, 174.117)

Conversions

Conversions Part 1

Format	Color
Hex	639587
RGB	99, 149, 135
RGB Percent	39%, 58%, 53%
CMY	0.6112, 0.4150, 0.4700
CMYK	0.34, 0.00, 0.09, 0.42
HSL	163°, 20%, 49%
HSV	163°, 34%, 58%
XYZ	20.3197, 25.9610, 26.9198
YIQ	132.4540, -25.3060, -14.9540

Conversions

Conversions Part 2

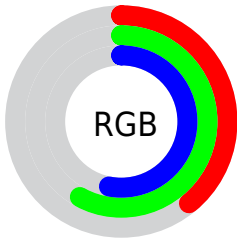
Format	Color
R_{YB}	99, 128, 149
Decimal	6526343
CIE _{Lab}	58.00, -19.99, 2.06
CIE _{LCh}	58, 20.100, 174.117
Yxy	25.9610, 0.2776, 0.3547
Android (android.graphics.Color)	4284716423 (0xFF639587)
YUV	132.4540, 1.2552, -29.3392
Hunter-Lab	50.9519, -17.9798, 4.3413

Details

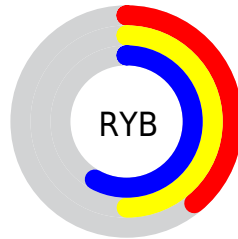
The CIELCh color `58, 20.100, 174.117` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `48, 22.317, 1.085`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 20.117, 174.303`, and `38, 20.267, 173.526` is the 20% darker color. If you saturate the color by 10%, you get `57, 25.503, 172.964`, and if you desaturate by 10%, it is `59, 14.351, 175.177`.

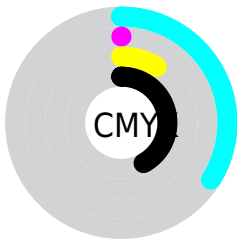
Distribution



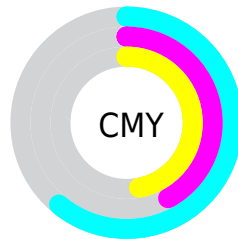
- Red (39%)
- Green (58%)
- Blue (53%)



- Red (39%)
- Yellow (50%)
- Blue (58%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (42%)





- Cyan (61%)
- Magenta (42%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 20.100, 174.117 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, 20.100, 174.117 by changing the saturation by 10% instead.


 58, 20.100,
174.117


 58, 20.100,
174.117


 100, 20.100,
174.117

 48, 20.100,
174.117


 78, 20.100,
174.117

 38, 20.100,
174.117

 88, 20.100,
174.117

 28, 20.100,
174.117

 98, 20.100,
174.117

 18, 20.100,
174.117

 8, 20.100, 174.117

 0, 20.100, 174.117

■ 58, 20.100,
174.117

■ 58, 20.100,
174.117

■ 57, 25.503,
172.964

■ 59, 14.351,
175.177

■ 56, 30.458,
171.702

■ 60, 8.351, 176.175

■ 61, 2.191, 177.222

■ 56, 34.877,
170.308

■ 63, 4.052, 357.811

■ 55, 38.690,
168.758

■ 64, 10.316,
358.688

■ 55, 41.864,
167.031

■ 66, 16.549,
359.482

■ 55, 44.417,
165.117

■ 67, 22.715, 0.235

■ 55, 45.903,
163.867

■ 69, 28.787, 0.954

■ 71, 34.745, 1.644

Harmonies

Complementary

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



58, 20.100, 174.117



48, 22.317, 1.085

Rectangle

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



58, 20.100, 174.117



58, 20.100, 224.117



58, 20.100, 354.117



58, 20.100, 44.117

Sweetspot

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



58, 20.101, 174.115



77, 7.666, 176.501



58, 31.631, 134.656



40, 5.210, 176.377



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 20.101, 174.115



73, 29.213, 173.287



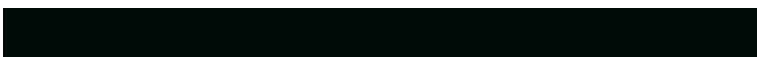
55, 14.769, 223.330



31, 3.477, 176.601



51, 43.196, 164.032



2, 3.068, 177.366

Inverse Universe

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



48, 22.317, 1.085



58, 33.223, 2.217



50, 18.507, 40.923



29, 3.574, 358.142



28, 55.535, 21.380



1, 3.068, 357.352

Previews

White Background



This preview shows how the CIELCh color 58, 20.100, 174.117 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, 20.100, 174.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

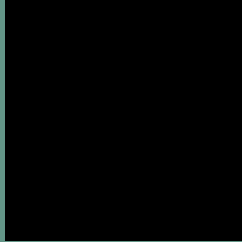
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 20.100, 174.117

Background



This preview shows how black text looks on a background with the CIELCh color 58, 20.100, 174.117.

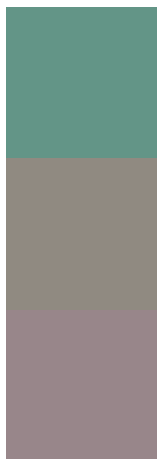


This preview shows how white text looks on a background with the CIELCh color 58, 20.100, 174.117.

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, 20.100, 174.117

Protanopia
58, 5.636, 84.099

Deuteranopia
58, 7.521, 2.628



Tritanopia
58, 15.705, 224.166

Trichromacy



Original Color
58, 20.100, 174.117

Protanomaly
58, 8.374, 150.432

Deuteranomaly
58, 3.233, 167.373

Tritanomaly
58, 15.819, 204.220

Monochromacy



Original Color
58, 20.100, 174.117

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 7.542, 176.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 20.100, 174.117 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(99, 149, 135)` looks like.

```
.text, #text, p{  
    color:rgb(99, 149, 135)  
}
```

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(99, 149, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 149, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 20.100, 174.117 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(99, 149, 135) }
```

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

```
.border{ border-color:rgb(99, 149, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 149, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 149, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 149, 135);  
box-shadow:4px 4px 4px 4px rgb(99, 149,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 20.100, 174.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 149, 135) }
```

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

```
.background{ background-color: rgb(99, 149,  
135) }
```

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