

Converting Colors

CIELCh(58, 36.555, 174.147)

Have a look what the booklet for
CIELCh(58, 36.555, 174.147)
contains.

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Color

CIELCh(58, 36.555, 174.147)

Conversions

Conversions Part 1

Format	Color
Hex	2F9C84
RGB	47, 156, 132
RGB Percent	18%, 61%, 52%
CMY	0.8168, 0.3891, 0.4832
CMYK	0.70, 0.00, 0.15, 0.39
HSL	167°, 54%, 40%
HSV	167°, 70%, 61%
XYZ	17.1613, 25.9610, 25.8611
YIQ	120.6730, -57.2600, -30.5720

Conversions

Conversions Part 2

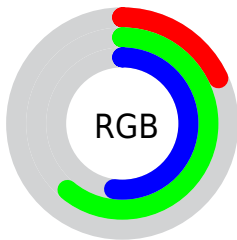
Format	Color
RYB	47, 108, 156
Decimal	3120260
CIELab	58.00, -36.36, 3.73
CIElCh	58, 36.555, 174.147
Yxy	25.9610, 0.2488, 0.3763
Android (android.graphics.Color)	4281310340 (0xFF2F9C84)
YUV	120.6730, 5.5842, -64.6112
Hunter-Lab	50.9519, -29.0447, 5.5732

Details

The CIELCh color **58, 36.555, 174.147** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 48.113, 13.816**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 36.426, 174.227**, and **39, 31.813, 171.721** is the 20% darker color. If you saturate the color by 10%, you get **58, 39.638, 172.625**, and if you desaturate by 10%, it is **59, 32.798, 175.519**.

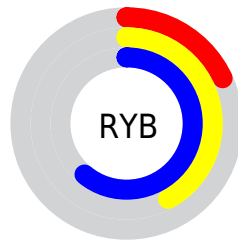
Distribution



Red (18%)

Green (61%)

Blue (52%)



Red (18%)

Yellow (42%)

Blue (61%)

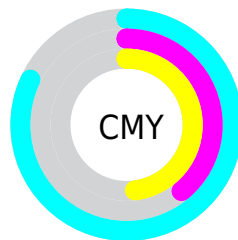


Cyan (70%)

Magenta (0%)

Yellow (15%)

Black (39%)



Cyan (82%)


Magenta (39%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 36.555, 174.147 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, 36.555, 174.147 by changing the saturation by 10% instead.


 58, 36.555,
174.147


 58, 36.555,
174.147


 100, 36.555,
174.147


 48, 36.555,
174.147


 78, 36.555,
174.147

 38, 36.555,
174.147

 88, 36.555,
174.147

 28, 36.555,
174.147

 98, 36.555,
174.147

 18, 36.555,
174.147

 8, 36.555, 174.147

 0, 36.555, 174.147

■ 58, 36.555,
174.147

■ 58, 36.555,
174.147

■ 58, 39.638,
172.625

■ 59, 32.798,
175.519

■ 57, 42.050,
170.937

■ 59, 28.406,
176.765

■ 57, 43.977,
169.147

■ 60, 23.457,
177.908

■ 61, 18.043,
178.967

■ 62, 12.265,
179.962

■ 63, 6.222, 180.923

■ 64, 0.008, 249.817

■ 66, 6.314, 2.512

Harmonies

Complementary

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



58, 36.555, 174.147



37, 48.113, 13.816

Rectangle

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



58, 36.555, 174.147



58, 36.555, 224.147



58, 36.555, 354.147



58, 36.555, 44.147

Sweetspot

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



58, 36.555, 174.146



78, 15.833, 179.827



57, 65.814, 134.015



41, 10.752, 179.576



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, 36.555, 174.146



73, 49.687, 171.702



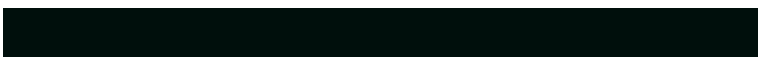
50, 26.882, 237.487



33, 3.560, 180.996



53, 41.181, 169.304



3, 4.788, 179.262

Inverse Universe

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



37, 48.113, 13.816



44, 68.587, 20.025



42, 44.794, 46.144



31, 3.682, 2.523



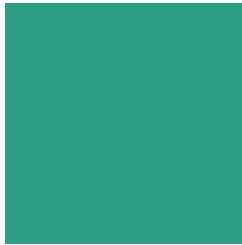
29, 58.991, 26.645



1, 4.692, 2.590

Previews

White Background



This preview shows how the CIELCh color 58, 36.555, 174.147 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, 36.555, 174.147 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, 36.555, 174.147

Background



This preview shows how black text looks on a background with the CIELCh color 58, 36.555, 174.147.

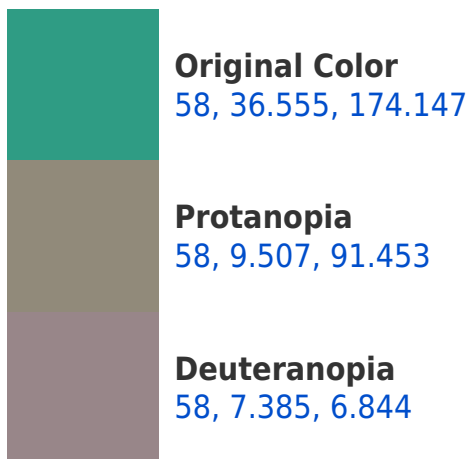


This preview shows how white text looks on a background with the CIELCh color 58, 36.555, 174.147.

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, 26.719, 213.468

Trichromacy



Original Color
58, 36.555, 174.147



Protanomaly
57, 17.059, 160.803



Deuteranomaly
57, 11.406, 177.752

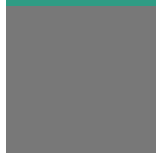


Tritanomaly
58, 29.002, 195.684

Monochromacy



Original Color
58, 36.555, 174.147



Achromatopsia
50, 0.007, 296.813



Achromatomaly
52, 15.950, 178.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 36.555, 174.147 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(47, 156, 132)` looks like.

```
.text, #text, p{  
    color:rgb(47, 156, 132)  
}
```

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(47, 156, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 156, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 36.555, 174.147 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(47, 156, 132) }
```

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

```
.border{ border-color:rgb(47, 156, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 156, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 156, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 156, 132);  
box-shadow:4px 4px 4px 4px rgb(47, 156,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 36.555, 174.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 156, 132) }
```

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

```
.background{ background-color: rgb(47, 156,  
132) }
```

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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