

Converting Colors

CIELCh(58, 41.037, 158.443)

Have a look what the booklet for
CIELCh(58, 41.037, 158.443)
contains.

CIELCh(58, 41.026, 158.555)	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, 41.026, 158.555)

Conversions

Conversions Part 1

Format	Color
Hex	3F9C70
RGB	63, 156, 112
RGB Percent	25%, 61%, 44%
CMY	0.7534, 0.3887, 0.5612
CMYK	0.60, 0.00, 0.28, 0.39
HSL	152°, 43%, 43%
HSV	152°, 60%, 61%
XYZ	16.8316, 25.9610, 19.4237
YIQ	123.1770, -41.3040, -33.4000

Conversions

Conversions Part 2

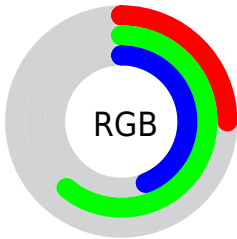
Format	Color
RYB	63, 124, 156
Decimal	4168816
CIELab	58.00, -38.19, 15.00
CIElCh	58, 41.026, 158.555
Yxy	25.9610, 0.2705, 0.4173
Android (android.graphics.Color)	4282358896 (0xFF3F9C70)
YUV	123.1770, -5.5103, -52.7752
Hunter-Lab	50.9519, -30.1996, 13.0640

Details

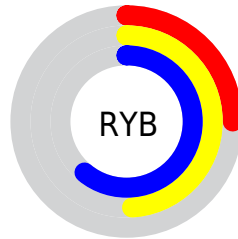
The CIELCh color **58, 41.026, 158.555** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **41, 43.858, 352.159**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 40.859, 158.686**, and **38, 39.575, 157.093** is the 20% darker color. If you saturate the color by 10%, you get **57, 46.570, 156.928**, and if you desaturate by 10%, it is **59, 34.918, 159.996**.

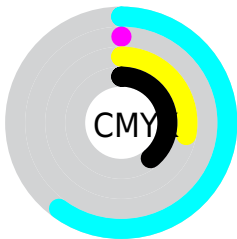
Distribution



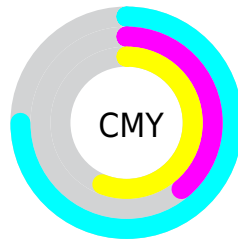
- Red (25%)
- Green (61%)
- Blue (44%)



- Red (25%)
- Yellow (49%)
- Blue (61%)



- Cyan (60%)
- Magenta (0%)
- Yellow (28%)
- Black (39%)





- Cyan (75%)
- Magenta (39%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 41.026, 158.555 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, 41.026, 158.555 by changing the saturation by 10% instead.


 58, 41.026,
158.555


 58, 41.026,
158.555


 100, 41.026,
158.555


 48, 41.026,
158.555


 78, 41.026,
158.555

 38, 41.026,
158.555

 88, 41.026,
158.555

 28, 41.026,
158.555

 98, 41.026,
158.555

 18, 41.026,
158.555

 8, 41.026, 158.555

 0, 41.026, 158.555

■ 58, 41.026,
158.555

■ 58, 41.026,
158.555

■ 57, 46.570,
156.928

■ 59, 34.918,
159.996

■ 57, 51.473,
155.100

■ 60, 28.349,
161.273

■ 57, 55.708,
153.068

■ 61, 21.437,
162.411

■ 56, 59.418,
150.938

■ 62, 14.298,
163.434

■ 56, 59.541,
150.870

■ 63, 7.039, 164.374

■ 64, 0.251, 343.781

■ 66, 7.499, 345.873

■ 68, 14.650,
346.598

■ 69, 21.664,
347.259

Harmonies

Complementary

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



58, 41.026, 158.555



41, 43.858, 352.159

Rectangle

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



58, 41.026, 158.555



58, 41.026, 208.555



58, 41.026, 338.555



58, 41.026, 28.555

Sweetspot

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



58, 41.027, 158.554



78, 16.138, 163.562



59, 53.556, 127.060



41, 11.291, 163.295



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, 41.027, 158.554



73, 58.607, 156.274



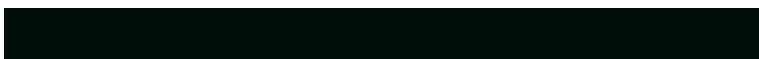
59, 27.707, 198.808



33, 4.166, 164.412



52, 55.630, 151.061



3, 5.565, 163.649

Inverse Universe

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



41, 43.858, 352.159



48, 62.115, 355.077



40, 43.121, 27.989



31, 4.224, 345.855



30, 54.915, 3.556



1, 5.374, 346.512

Previews

White Background



This preview shows how the CIELCh color 58, 41.026, 158.555 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, 41.026, 158.555 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, 41.026, 158.555

Background



This preview shows how black text looks on a background with the CIELCh color 58, 41.026, 158.555.



This preview shows how white text looks on a background with the CIELCh color 58, 41.026, 158.555.

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, 41.026, 158.555

Protanopia
58, 19.680, 95.256

Deuteranopia
57, 14.353, 59.121



Tritanopia
58, 22.858, 216.633

Trichromacy



Original Color
58, 41.026, 158.555



Protanomaly
57, 24.341, 135.663



Deuteranomaly
57, 16.326, 133.473



Tritanomaly
58, 26.453, 187.003

Monochromacy



Original Color
58, 41.026, 158.555



Achromatopsia
52, 0.007, 296.813



Achromatomaly
53, 16.209, 163.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 41.026, 158.555 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(63, 156, 112)` looks like.

```
.text, #text, p{  
    color:rgb(63, 156, 112)  
}
```

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(63, 156, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 156, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 41.026, 158.555 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(63, 156, 112) }
```

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

```
.border{ border-color:rgb(63, 156, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 156, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 156, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 156, 112);  
box-shadow:4px 4px 4px 4px rgb(63, 156,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 41.026, 158.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 156, 112) }
```

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

```
.background{ background-color: rgb(63, 156,  
112) }
```

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