

Converting Colors

CIELCh(58, 57.746, 153.666)

Have a look what the booklet for
CIELCh(58, 57.746, 153.666)
contains.

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Color

CIELCh(58, 57.640, 153.521)

Conversions

Conversions Part 1

Format	Color
Hex	00A05C
RGB	0, 160, 92
RGB Percent	0%, 63%, 36%
CMY	0.9983, 0.3721, 0.6388
CMYK	1.00, 0.00, 0.42, 0.37
HSL	154°, 99%, 31%
HSV	154°, 100%, 63%
XYZ	14.5337, 25.9610, 14.3952
YIQ	104.4080, -73.5320, -55.0680

Conversions

Conversions Part 2

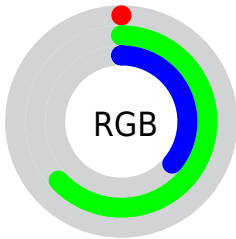
Format	Color
RYB	0, 102, 160
Decimal	41052
CIELab	58.00, -51.59, 25.70
CIELCh	58, 57.640, 153.521
Yxy	25.9610, 0.2648, 0.4730
Android (android.graphics.Color)	4278231132 (0xFF00A05C)
YUV	104.4080, -6.1171, -91.5658
Hunter-Lab	50.9519, -38.2499, 18.9155

Details

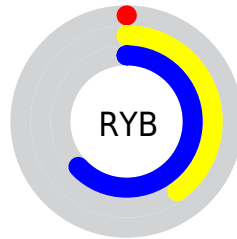
The CIELCh color **58, 57.640, 153.521** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 59.596, 8.434**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 57.606, 153.453**, and **39, 49.451, 146.717** is the 20% darker color. If you saturate the color by 10%, you get **58, 57.734, 153.465**, and if you desaturate by 10%, it is **58, 54.172, 155.663**.

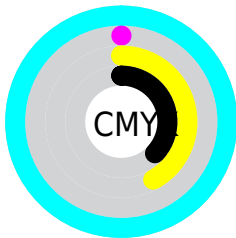
Distribution



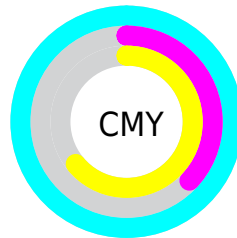
- Red (0%)
- Green (63%)
- Blue (36%)



- Red (0%)
- Yellow (40%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 57.640, 153.521 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, 57.640, 153.521 by changing the saturation by 10% instead.


 58, 57.640,
153.521


 58, 57.640,
153.521


 100, 57.640,
153.521


 48, 57.640,
153.521


 78, 57.640,
153.521

 38, 57.640,
153.521

 88, 57.640,
153.521

 28, 57.640,
153.521

 98, 57.640,
153.521

 18, 57.640,
153.521

 8, 57.640, 153.521

 0, 57.640, 153.521

■ 58, 57.640,
153.521

■ 58, 57.640,
153.521

■ 58, 57.734,
153.465

■ 58, 54.172,
155.663

■ 59, 50.182,
157.697

■ 59, 45.520,
159.526

■ 60, 40.205,
161.155

■ 60, 34.305,
162.603

■ 61, 27.921,
163.892

■ 62, 21.167,
165.047

■ 63, 14.160,

166.092

■ 65, 7.007, 167.059

Harmonies

Complementary

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



58, 57.640, 153.521



34, 59.596, 8.434

Rectangle

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



58, 57.640, 153.521



58, 57.640, 203.521



58, 57.640, 333.521



58, 57.640, 23.521

Sweetspot

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



58, 57.640, 153.521



79, 26.523, 164.953



58, 78.418, 129.887



41, 17.974, 164.508



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 57.640, 153.521



74, 71.043, 152.984



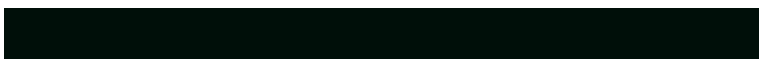
56, 32.509, 207.566



33, 4.031, 167.105



52, 52.845, 153.711



3, 5.398, 166.127

Inverse Universe

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



34, 59.596, 8.434



45, 72.805, 9.613



33, 72.486, 40.555



31, 4.099, 348.598



30, 54.841, 8.016



1, 5.218, 349.168

Previews

White Background



This preview shows how the CIELCh color 58, 57.640, 153.521 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, 57.640, 153.521 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, 57.640, 153.521

Background



This preview shows how black text looks on a background with the CIELCh color 58, 57.640, 153.521.



This preview shows how white text looks on a background with the CIELCh color 58, 57.640, 153.521.

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, 57.640, 153.521

Protanopia

58, 31.180, 96.605

Deuteranopia

58, 24.128, 72.053



Tritanopia
58, 27.426, 211.706

Trichromacy



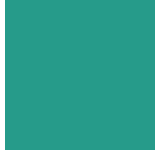
Original Color
58, 57.640, 153.521



Protanomaly
56, 39.506, 137.905



Deuteranomaly
56, 30.827, 137.343



Tritanomaly
58, 35.542, 180.317

Monochromacy



Original Color
58, 57.640, 153.521



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 26.485, 162.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 57.640, 153.521 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(0, 160, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 92)  
}
```

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(0, 160, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 57.640, 153.521 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(0, 160, 92) }
```

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

```
.border{ border-color:rgb(0, 160, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 160, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 57.640, 153.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 92) }
```

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

```
.background{ background-color: rgb(0, 160,  
92) }
```

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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