

Converting Colors

CIELCh(58, 63.336, 148.623)

Have a look what the booklet for
CIELCh(58, 63.336, 148.623)
contains.

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Color

CIELCh(58, 63.602, 148.481)

Conversions

Conversions Part 1

Format	Color
Hex	04A14E
RGB	4, 161, 78
RGB Percent	2%, 63%, 31%
CMY	0.9845, 0.3697, 0.6951
CMYK	0.98, 0.00, 0.52, 0.37
HSL	148°, 95%, 32%
HSV	148°, 98%, 63%
XYZ	14.1098, 25.9610, 11.4263
YIQ	104.5950, -66.9290, -59.0970

Conversions

Conversions Part 2

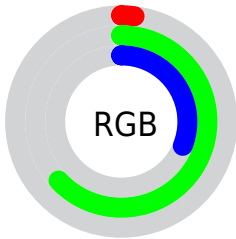
Format	Color
R_{YB}	4, 111, 161
Decimal	303438
CIE _{Lab}	58.00, -54.22, 33.25
CIE _{LCh}	58, 63.602, 148.481
Yxy	25.9610, 0.2740, 0.5041
Android (android.graphics.Color)	4278493518 (0xFF04A14E)
YUV	104.5950, -13.1113, -88.2218
Hunter-Lab	50.9519, -39.7349, 22.3702

Details

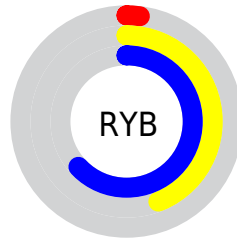
The CIELCh color **58, 63.602, 148.481** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **35, 60.121, 357.961**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 63.508, 148.617**, and **39, 55.851, 141.525** is the 20% darker color. If you saturate the color by 10%, you get **58, 64.590, 147.983**, and if you desaturate by 10%, it is **58, 59.420, 150.613**.

Distribution



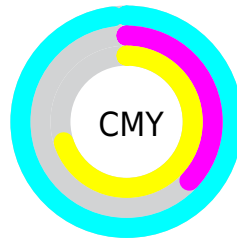
- Red (2%)
- Green (63%)
- Blue (31%)



- Red (2%)
- Yellow (44%)
- Blue (63%)



- Cyan (98%)
- Magenta (0%)
- Yellow (52%)
- Black (37%)





- Cyan (98%)
- Magenta (37%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 63.602, 148.481 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, 63.602, 148.481 by changing the saturation by 10% instead.


 58, 63.602,
148.481


 58, 63.602,
148.481


 100, 63.602,
148.481

 48, 63.602,
148.481


 78, 63.602,
148.481

 38, 63.602,
148.481

 88, 63.602,
148.481

 28, 63.602,
148.481

 98, 63.602,
148.481

 18, 63.602,
148.481

 8, 63.602, 148.481

 0, 63.602, 148.481

■ 58, 63.602,
148.481

■ 58, 63.602,
148.481

■ 58, 64.590,
147.983

■ 58, 59.420,
150.613

■ 59, 54.584,
152.600

■ 59, 49.040,
154.386

■ 60, 42.839,
155.970

■ 60, 36.075,
157.368

■ 61, 28.871,
158.601

■ 62, 21.354,
159.693

■ 64, 13.649,

160.669

■ 65, 5.864, 161.567

Harmonies

Complementary

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



58, 63.602, 148.481



35, 60.121, 357.961

Rectangle

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



58, 63.602, 148.481



58, 63.602, 198.481



58, 63.602, 328.481



58, 63.602, 18.481

Sweetspot

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



58, 63.602, 148.481



79, 27.823, 159.484



59, 75.488, 126.513



41, 18.994, 159.052



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, 63.602, 148.481



74, 79.313, 147.516



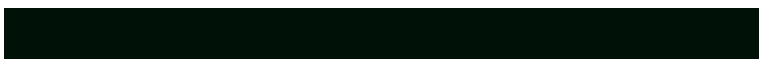
60, 36.238, 191.560



34, 4.455, 161.413



53, 59.741, 148.194



4, 7.161, 159.894

Inverse Universe

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



35, 60.121, 357.961



45, 73.337, 359.609



33, 71.176, 37.711



32, 4.504, 342.799



31, 56.214, 358.427



1, 6.703, 344.769

Previews

White Background



This preview shows how the CIELCh color 58, 63.602, 148.481 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, 63.602, 148.481 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, 63.602, 148.481

Background



This preview shows how black text looks on a background with the CIELCh color 58, 63.602, 148.481.



This preview shows how white text looks on a background with the CIELCh color 58, 63.602, 148.481.

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, 63.641, 148.512

Protanopia
58, 38.594, 96.101

Deuteranopia
58, 31.502, 75.773



Tritanopia
58, 26.719, 213.468

Trichromacy



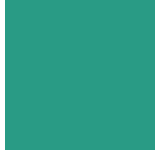
Original Color
58, 63.641, 148.512



Protanomaly
56, 45.419, 131.719



Deuteranomaly
55, 36.476, 129.462



Tritanomaly
58, 36.610, 176.025

Monochromacy



Original Color
58, 63.641, 148.512



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 28.644, 157.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 63.602, 148.481 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(4, 161, 78)` looks like.

```
.text, #text, p{  
    color:rgb(4, 161, 78)  
}
```

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(4, 161, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 161, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 63.602, 148.481 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(4, 161, 78) }
```

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

```
.border{ border-color:rgb(4, 161, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 161, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 161, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 161, 78);  
box-shadow:4px 4px 4px 4px rgb(4, 161, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 63.602, 148.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 161, 78) }
```

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

```
.background{ background-color: rgb(4, 161,  
78) }
```

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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