

Converting Colors

CIELCh(58, 57.113, 150.043)

Have a look what the booklet for
CIELCh(58, 57.113, 150.043)
contains.

CIELCh(58, 56.964, 150.158)	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, 56.964, 150.158)

Conversions

Conversions Part 1

Format	Color
Hex	239F57
RGB	35, 159, 87
RGB Percent	14%, 62%, 34%
CMY	0.8608, 0.3753, 0.6577
CMYK	0.78, 0.00, 0.45, 0.38
HSL	145°, 64%, 38%
HSV	145°, 78%, 62%
XYZ	14.8926, 25.9610, 13.3026
YIQ	113.7160, -50.7920, -48.6800

Conversions

Conversions Part 2

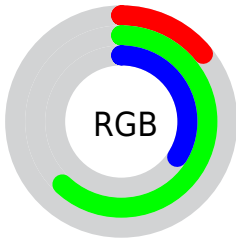
Format	Color
R_{YB}	35, 122, 159
Decimal	2334551
CIE _{Lab}	58.00, -49.41, 28.35
CIE _{LCh}	58, 56.964, 150.158
Yxy	25.9610, 0.2750, 0.4794
Android (android.graphics.Color)	4280524631 (0xFF239F57)
YUV	113.7160, -13.1710, -69.0339
Hunter-Lab	50.9519, -36.9926, 20.1869

Details

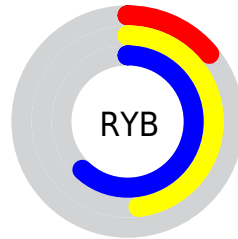
The CIELCh color **58, 56.964, 150.158** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 56.663, 348.423**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 57.096, 150.246**, and **39, 50.993, 144.992** is the 20% darker color. If you saturate the color by 10%, you get **58, 62.059, 148.198**, and if you desaturate by 10%, it is **58, 51.133, 151.925**.

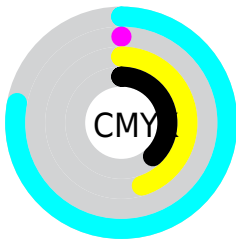
Distribution



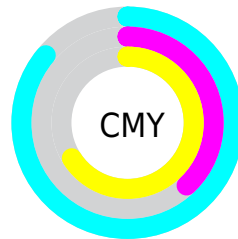
- Red (14%)
- Green (62%)
- Blue (34%)



- Red (14%)
- Yellow (48%)
- Blue (62%)



- Cyan (78%)
- Magenta (0%)
- Yellow (45%)
- Black (38%)





- Cyan (86%)
- Magenta (38%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 56.964, 150.158 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, 56.964, 150.158 by changing the saturation by 10% instead.


 58, 56.964,
150.158


 58, 56.964,
150.158


 100, 56.964,
150.158


 48, 56.964,
150.158


 78, 56.964,
150.158

 38, 56.964,
150.158

 88, 56.964,
150.158

 28, 56.964,
150.158

 98, 56.964,
150.158

 18, 56.964,
150.158

 8, 56.964, 150.158

 0, 56.964, 150.158

■ 58, 56.964,
150.158

■ 58, 56.964,
150.158

■ 58, 62.059,
148.198

■ 58, 51.133,
151.925

■ 57, 66.460,
146.116

■ 59, 44.628,
153.493

■ 57, 67.416,
145.671

■ 60, 37.556,
154.873

■ 61, 30.045,
156.086

■ 62, 22.232,
157.154

■ 63, 14.245,
158.101

■ 64, 6.196, 158.964

■ 66, 1.824, 339.484

Harmonies

Complementary

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



58, 56.964, 150.158



37, 56.663, 348.423

Rectangle

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



58, 56.964, 150.158



58, 56.964, 200.158



58, 56.964, 330.158



58, 56.964, 20.158

Sweetspot

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



58, 56.964, 150.158



79, 22.820, 157.573



60, 65.494, 123.316



42, 15.903, 157.240



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, 56.964, 150.158



73, 79.058, 146.722



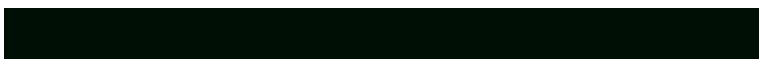
59, 34.928, 186.636



33, 4.509, 158.835



52, 61.923, 145.898



3, 5.989, 158.485

Inverse Universe

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



37, 56.663, 348.423



46, 73.437, 352.587



36, 56.522, 27.099



31, 4.548, 340.151



31, 56.512, 353.745



1, 5.772, 340.962

Previews

White Background



This preview shows how the CIE LCh color 58, 56.964, 150.158 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, 56.964, 150.158 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, 56.964, 150.158

Background



This preview shows how black text looks on a background with the CIELCh color 58, 56.964, 150.158.



This preview shows how white text looks on a background with the CIELCh color 58, 56.964, 150.158.

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, 56.964, 150.158

Protanopia
57, 32.975, 95.269

Deuteranopia
57, 26.624, 72.874



Tritanopia
58, 25.564, 212.947

Trichromacy



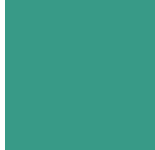
Original Color
58, 56.964, 150.158



Protanomaly
57, 38.128, 129.576



Deuteranomaly
56, 29.688, 126.021



Tritanomaly
58, 33.164, 177.277

Monochromacy



Original Color
58, 56.964, 150.158



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 23.345, 156.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 56.964, 150.158 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(35, 159, 87)` looks like.

```
.text, #text, p{  
    color:rgb(35, 159, 87)  
}
```

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(35, 159, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 159, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 56.964, 150.158 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(35, 159, 87) }
```

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

```
.border{ border-color:rgb(35, 159, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 159, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 159, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 159, 87);  
box-shadow:4px 4px 4px 4px rgb(35, 159,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 56.964, 150.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 159, 87) }
```

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

```
.background{ background-color: rgb(35, 159,  
87) }
```

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