

Converting Colors

CIELCh(58, 48.726, 155.776)

Have a look what the booklet for
CIELCh(58, 48.726, 155.776)
contains.

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Color

CIELCh(58, 48.670, 155.862)

Conversions

Conversions Part 1

Format	Color
Hex	2D9E67
RGB	45, 158, 103
RGB Percent	18%, 62%, 40%
CMY	0.8239, 0.3807, 0.5964
CMYK	0.72, 0.00, 0.35, 0.38
HSL	151°, 56%, 40%
HSV	151°, 72%, 62%
XYZ	15.7361, 25.9610, 16.9948
YIQ	117.9430, -49.6930, -41.0610

Conversions

Conversions Part 2

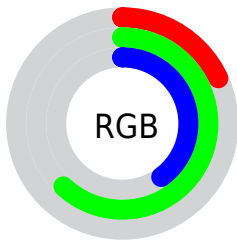
Format	Color
R _Y B	45, 120, 158
Decimal	2989671
CIE Lab	58.00, -44.41, 19.90
CIE LCh	58, 48.670, 155.862
Yxy	25.9610, 0.2681, 0.4423
Android (android.graphics.Color)	4281179751 (0xFF2D9E67)
YUV	117.9430, -7.3669, -63.9710
Hunter-Lab	50.9519, -34.0375, 15.8905

Details

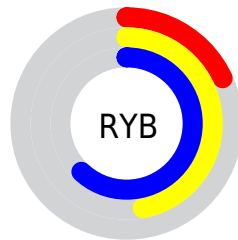
The CIELCh color **58, 48.670, 155.862** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **38, 51.301, 353.683**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 49.103, 155.574**, and **39, 44.064, 151.691** is the 20% darker color. If you saturate the color by 10%, you get **58, 53.584, 153.991**, and if you desaturate by 10%, it is **59, 43.096, 157.528**.

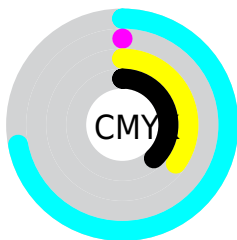
Distribution



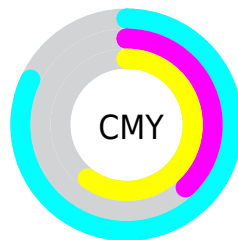
- Red (18%)
- Green (62%)
- Blue (40%)



- Red (18%)
- Yellow (47%)
- Blue (62%)



- Cyan (72%)
- Magenta (0%)
- Yellow (35%)
- Black (38%)



- Cyan (82%)
- Magenta (38%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 48.670, 155.862 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, 48.670, 155.862 by changing the saturation by 10% instead.

 58, 48.670,
155.862

 58, 48.670,
155.862

 100, 48.670,
155.862

 48, 48.670,
155.862


 78, 48.670,
155.862

 38, 48.670,
155.862

 88, 48.670,
155.862

 28, 48.670,
155.862

 98, 48.670,
155.862

 18, 48.670,
155.862

 8, 48.670, 155.862

 0, 48.670, 155.862

■ 58, 48.670,
155.862

■ 58, 48.670,
155.862

■ 58, 53.584,
153.991

■ 59, 43.096,
157.528

■ 57, 57.820,
151.919

■ 59, 36.932,
159.004

■ 57, 61.011,
150.129

■ 60, 30.282,
160.311

■ 61, 23.264,
161.471

■ 62, 16.000,
162.509

■ 63, 8.600, 163.454

■ 65, 1.160, 164.551

■ 66, 6.246, 344.964

■ 68, 13.556,
345.698

Harmonies

Complementary

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



58, 48.670, 155.862



38, 51.301, 353.683

Rectangle

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



58, 48.670, 155.862



58, 48.670, 205.862



58, 48.670, 335.862



58, 48.670, 25.862

Sweetspot

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



58, 48.670, 155.862



79, 19.387, 162.525



59, 62.701, 126.306



42, 13.210, 162.266



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, 48.670, 155.862



74, 68.655, 152.746



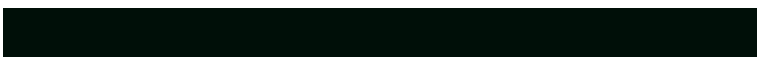
59, 31.599, 196.669



33, 4.207, 163.666



52, 56.431, 150.345



3, 5.616, 162.961

Inverse Universe

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



38, 51.301, 353.683



46, 69.708, 358.168



37, 53.895, 30.506



31, 4.262, 345.095



30, 55.008, 2.284



1, 5.420, 345.774

Previews

White Background



This preview shows how the CIELCh color 58, 48.670, 155.862 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, 48.670, 155.862 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, 48.670, 155.862

Background



This preview shows how black text looks on a background with the CIELCh color 58, 48.670, 155.862.

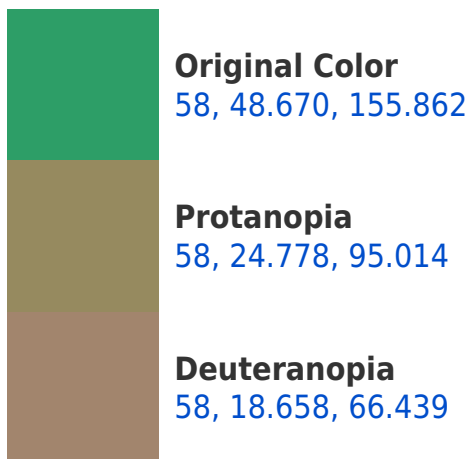


This preview shows how white text looks on a background with the CIELCh color 58, 48.670, 155.862.

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, 25.367, 213.087

Trichromacy



Original Color
58, 48.670, 155.862



Protanomaly
57, 29.762, 134.282



Deuteranomaly
56, 21.979, 133.280



Tritanomaly
58, 30.804, 182.634

Monochromacy



Original Color
58, 48.670, 155.862



Achromatopsia
50, 0.007, 296.813



Achromatomaly
52, 20.066, 162.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 48.670, 155.862 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(45, 158, 103)` looks like.

```
.text, #text, p{  
    color:rgb(45, 158, 103)  
}
```

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(45, 158, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 158, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 48.670, 155.862 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(45, 158, 103) }
```

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

```
.border{ border-color:rgb(45, 158, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 158, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 158, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 158, 103);  
box-shadow:4px 4px 4px 4px rgb(45, 158,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 48.670, 155.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 158, 103) }
```

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

```
.background{ background-color: rgb(45, 158,  
103) }
```

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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