

Converting Colors

CIELCh(58, 45.731, 153.071)

Have a look what the booklet for
CIELCh(58, 45.731, 153.071)
contains.

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Color

CIELCh(58, 45.849, 153.211)

Conversions

Conversions Part 1

Format	Color
Hex	3E9D66
RGB	62, 157, 102
RGB Percent	24%, 62%, 40%
CMY	0.7584, 0.3857, 0.6013
CMYK	0.61, 0.00, 0.35, 0.39
HSL	145°, 44%, 43%
HSV	145°, 61%, 61%
XYZ	16.3432, 25.9610, 16.6368
YIQ	122.3250, -38.9650, -37.2450

Conversions

Conversions Part 2

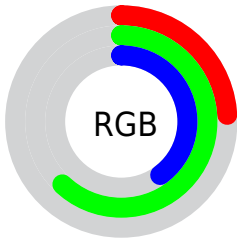
Format	Color
RYB	62, 129, 157
Decimal	4103526
CIELab	58.00, -40.93, 20.66
CIElCh	58, 45.849, 153.211
Yxy	25.9610, 0.2773, 0.4405
Android (android.graphics.Color)	4282293606 (0xFF3E9D66)
YUV	122.3250, -10.0202, -52.9050
Hunter-Lab	50.9519, -31.9106, 16.3071

Details

The CIELCh color **58, 45.849, 153.211** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **41, 47.074, 345.697**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 45.869, 153.175**, and **38, 44.501, 151.191** is the 20% darker color. If you saturate the color by 10%, you get **57, 52.065, 151.588**, and if you desaturate by 10%, it is **59, 39.043, 154.643**.

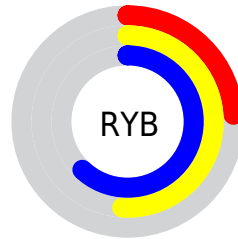
Distribution



Red (24%)

Green (62%)

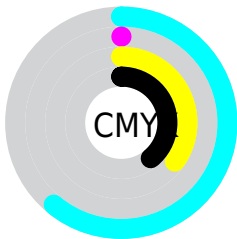
Blue (40%)



Red (24%)

Yellow (51%)

Blue (62%)

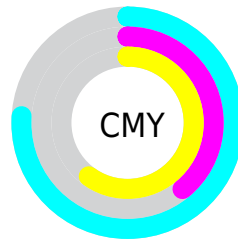


Cyan (61%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (76%)


Magenta (39%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 45.849, 153.211 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, 45.849, 153.211 by changing the saturation by 10% instead.


 58, 45.849,
153.211


 58, 45.849,
153.211


 100, 45.849,
153.211


 48, 45.849,
153.211


 78, 45.849,
153.211

 38, 45.849,
153.211

 88, 45.849,
153.211

 28, 45.849,
153.211

 98, 45.849,
153.211

 18, 45.849,
153.211

 8, 45.849, 153.211

 0, 45.849, 153.211

■ 58, 45.849,
153.211

■ 58, 45.849,
153.211

■ 57, 52.065,
151.588

■ 59, 39.043,
154.643

■ 57, 57.595,
149.765

■ 60, 31.768,
155.901

■ 57, 62.395,
147.756

■ 61, 24.156,
157.008

■ 56, 66.343,
145.841

■ 62, 16.337,
157.988

■ 63, 8.426, 158.870

■ 65, 0.518, 160.214

■ 66, 7.310, 340.255

■ 68, 15.003,
340.907

■ 70, 22.520,
341.488

Harmonies

Complementary

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



58, 45.849, 153.211



41, 47.074, 345.697

Rectangle

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



58, 45.849, 153.211



58, 45.849, 203.211



58, 45.849, 333.211



58, 45.849, 23.211

Sweetspot

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



58, 45.850, 153.211



79, 17.649, 158.200



60, 53.104, 123.369



41, 12.232, 157.951



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, 45.850, 153.211



73, 65.956, 150.927



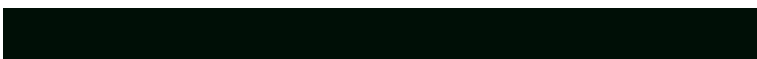
59, 29.924, 188.044



33, 4.498, 158.990



52, 61.740, 146.035



3, 5.976, 158.629

Inverse Universe

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



41, 47.074, 345.697



49, 66.274, 347.974



40, 43.258, 21.401



31, 4.538, 340.309



30, 56.437, 354.024



1, 5.760, 341.117

Previews

White Background



This preview shows how the CIELCh color 58, 45.849, 153.211 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, 45.849, 153.211 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, 45.849, 153.211

Background



This preview shows how black text looks on a background with the CIELCh color 58, 45.849, 153.211.



This preview shows how white text looks on a background with the CIELCh color 58, 45.849, 153.211.

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, 45.849, 153.211

Protanopia
58, 25.319, 95.191

Deuteranopia
58, 19.553, 68.421



Tritanopia
58, 22.558, 215.356

Trichromacy



Original Color
58, 45.849, 153.211



Protanomaly
57, 29.187, 129.748



Deuteranomaly
57, 22.047, 126.441



Tritanomaly
58, 27.577, 181.216

Monochromacy



Original Color
58, 45.849, 153.211



Achromatopsia
51, 0.007, 296.813



Achromatomaly
53, 18.028, 157.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 45.849, 153.211 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(62, 157, 102)` looks like.

```
.text, #text, p{  
    color:rgb(62, 157, 102)  
}
```

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(62, 157, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 157, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 45.849, 153.211 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(62, 157, 102) }
```

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

```
.border{ border-color:rgb(62, 157, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 157, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 157, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 157, 102);  
box-shadow:4px 4px 4px 4px rgb(62, 157,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 45.849, 153.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 157, 102) }
```

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

```
.background{ background-color: rgb(62, 157,  
102) }
```

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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