

Converting Colors

CIElCh(50, 38.861, 158.913)

Have a look what the booklet for
CIELCh(50, 38.861, 158.913)
contains.

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Color

CIELCh(50, 38.861, 158.913)

Conversions

Conversions Part 1

Format	Color
Hex	2D865E
RGB	45, 134, 94
RGB Percent	18%, 53%, 37%
CMY	0.8235, 0.4745, 0.6313
CMYK	0.66, 0.00, 0.30, 0.47
HSL	153°, 50%, 35%
HSV	153°, 66%, 53%
XYZ	11.6295, 18.4187, 13.5336
YIQ	102.8290, -40.2040, -31.3080

Conversions

Conversions Part 2

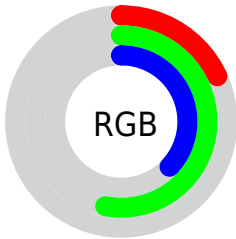
Format	Color
RYB	45, 102, 134
Decimal	2983518
CIELab	50.00, -36.26, 13.98
CIELCh	50, 38.861, 158.913
Yxy	18.4187, 0.2668, 0.4226
Android (android.graphics.Color)	4281173598 (0xFF2D865E)
YUV	102.8290, -4.3527, -50.7160
Hunter-Lab	42.9170, -26.7354, 11.3452

Details

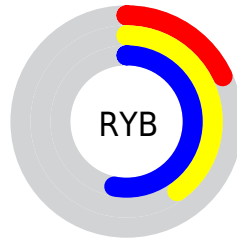
The CIELCh color **50, 38.861, 158.913** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **33, 42.017, 354.949**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 38.786, 159.234**, and **30, 34.793, 155.534** is the 20% darker color. If you saturate the color by 10%, you get **50, 43.293, 157.195**, and if you desaturate by 10%, it is **51, 33.895, 160.441**.

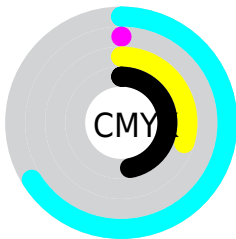
Distribution



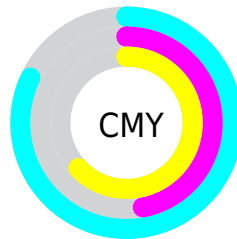
- Red (18%)
- Green (53%)
- Blue (37%)



- Red (18%)
- Yellow (40%)
- Blue (53%)



- Cyan (66%)
- Magenta (0%)
- Yellow (30%)
- Black (47%)





- Cyan (82%)
- Magenta (47%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 38.861, 158.913 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 50, 38.861, 158.913 by changing the saturation by 10% instead.


 50, 38.861,
158.913


 50, 38.861,
158.913


 100, 38.861,
158.913


 40, 38.861,
158.913


 70, 38.861,
158.913

 30, 38.861,
158.913


 80, 38.861,
158.913


 20, 38.861,
158.913

 90, 38.861,
158.913

 10, 38.861,
158.913

 0, 38.861, 158.913

 50, 38.861,
158.913

 50, 38.861,
158.913

■ 50, 43.293,
157.195

■ 51, 33.895,
160.441

■ 49, 47.151,
155.278

■ 51, 28.468,
161.799

■ 49, 50.484,
153.205

■ 52, 22.674,
163.009

■ 49, 51.645,
152.498

■ 53, 16.611,
164.096

■ 54, 10.377,
165.082

■ 55, 4.058, 166.015

■ 56, 2.275, 346.610

■ 58, 8.564, 347.460

■ 59, 14.765,
348.171

Harmonies

Complementary

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



50, 38.861, 158.913



33, 42.017, 354.949

Rectangle

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



50, 38.861, 158.913



50, 38.861, 208.913



50, 38.861, 338.913



50, 38.861, 28.913

Sweetspot

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



50, 38.861, 158.913



68, 15.584, 164.695



51, 52.504, 128.056



35, 10.573, 164.460



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 38.861, 158.913



63, 54.865, 156.195



50, 25.323, 202.901



27, 3.540, 165.760



48, 50.466, 152.571



1, 0.850, 166.474

Inverse Universe

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



33, 42.017, 354.949



40, 58.364, 358.897



33, 42.041, 31.215



26, 3.592, 347.180



27, 51.242, 5.324



0, 0.850, 346.463

Previews

White Background



This preview shows how the CIELCh color 50, 38.861, 158.913 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 50, 38.861, 158.913 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 50, 38.861, 158.913

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.861, 158.913.



This preview shows how white text looks on a background with the CIELCh color 50, 38.861, 158.913.

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
50, 38.861, 158.913

Protanopia
50, 18.441, 95.247

Deuteranopia
50, 13.405, 60.590



Tritanopia
50, 21.566, 214.990

Trichromacy



Original Color
50, 38.861, 158.913

Protanomaly
49, 22.803, 137.292

Deuteranomaly
49, 15.741, 135.141

Tritanomaly
50, 24.886, 187.301

Monochromacy



Original Color
50, 38.861, 158.913

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 15.306, 164.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.861, 158.913 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, 134, 94)` looks like.

```
.text, #text, p{  
    color:rgb(45, 134, 94)  
}
```

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, 134, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 134, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.861, 158.913 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, 134, 94) }
```

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

```
.border{ border-color:rgb(45, 134, 94) }
```

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

Here you see how a box with a 4 pixel rgb(45, 134, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 134, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 134, 94);  
box-shadow:4px 4px 4px 4px rgb(45, 134,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.861, 158.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 134, 94) }
```

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

```
.background{ background-color: rgb(45, 134,  
94) }
```

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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