

Converting Colors

CIELCh(67, 38.733, 161.607)

Have a look what the booklet for
CIELCh(67, 38.733, 161.607)
contains.

CIELCh(67, 38.716, 161.643)	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(67, 38.716, 161.643)

Conversions

Conversions Part 1

Format	Color
Hex	59B48C
RGB	89, 180, 140
RGB Percent	35%, 71%, 55%
CMY	0.6512, 0.2943, 0.4512
CMYK	0.51, 0.00, 0.22, 0.29
HSL	154°, 38%, 53%
HSV	154°, 51%, 71%
XYZ	25.1533, 36.6320, 30.5346
YIQ	148.2310, -41.3960, -31.7320

Conversions

Conversions Part 2

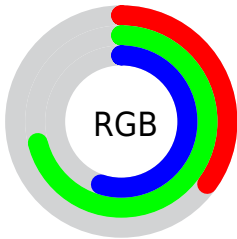
Format	Color
RYB	89, 147, 180
Decimal	5878924
CIELab	67.00, -36.75, 12.19
CIELCh	67, 38.716, 161.643
Yxy	36.6320, 0.2725, 0.3968
Android (android.graphics.Color)	4284069004 (0xFF59B48C)
YUV	148.2310, -4.0579, -51.9456
Hunter-Lab	60.5244, -31.7348, 12.4552

Details

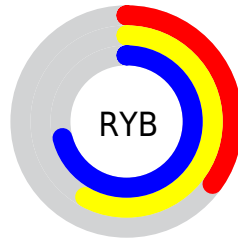
The CIELCh color **67, 38.716, 161.643** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **50, 41.822, 352.888**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 38.260, 161.896**, and **47, 38.328, 161.907** is the 20% darker color. If you saturate the color by 10%, you get **66, 45.232, 160.157**, and if you desaturate by 10%, it is **68, 31.653, 162.961**.

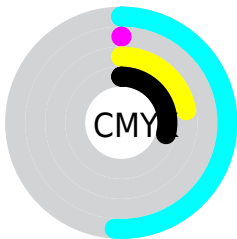
Distribution



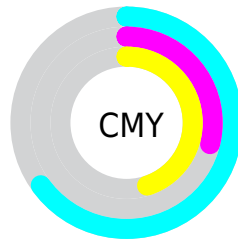
- Red (35%)
- Green (71%)
- Blue (55%)



- Red (35%)
- Yellow (58%)
- Blue (71%)



- Cyan (51%)
- Magenta (0%)
- Yellow (22%)
- Black (29%)




- Cyan (65%)
- Magenta (29%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 38.716, 161.643 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 67, 38.716, 161.643 by changing the saturation by 10% instead.

 67, 38.716,
161.643


 67, 38.716,
161.643

 100, 38.716,
161.643


 57, 38.716,
161.643

 87, 38.716,
161.643


 47, 38.716,
161.643


 97, 38.716,
161.643

 37, 38.716,
161.643

 27, 38.716,
161.643

 17, 38.716,
161.643

 7, 38.716, 161.643

 0, 38.716, 161.643

67, 38.716,
161.643

67, 38.716,
161.643

66, 45.232,
160.157

68, 31.653,
162.961

66, 51.086,
158.482

69, 24.168,
164.138

65, 56.208,
156.602

70, 16.395,
165.198

65, 60.584,
154.513

72, 8.455, 166.173

65, 64.178,
152.444

73, 0.452, 167.868

75, 7.527, 347.740

77, 15.418,
348.506

79, 23.171,
349.203

■ 81, 30.754,
349.854

Harmonies

Complementary

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



67, 38.716, 161.643



50, 41.822, 352.888

Rectangle

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



67, 38.716, 161.643



67, 38.716, 211.643



67, 38.716, 341.643



67, 38.716, 31.643

Sweetspot

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



67, 38.717, 161.642



90, 14.866, 165.724



68, 52.223, 128.496



47, 10.126, 165.521



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 38.717, 161.642



84, 56.273, 159.923



67, 26.805, 202.726



37, 4.500, 166.293



56, 56.590, 152.764



7, 11.807, 161.016

Inverse Universe

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



50, 41.822, 352.888



59, 61.190, 355.052



50, 39.154, 28.329



35, 4.572, 347.802



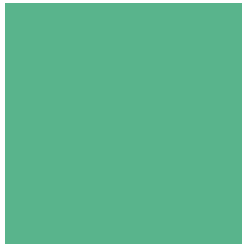
32, 57.658, 7.039



2, 10.272, 353.205

Previews

White Background



This preview shows how the CIELCh color 67, 38.716, 161.643 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 67, 38.716, 161.643 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 38.716, 161.643

Background



This preview shows how black text looks on a background with the CIELCh color 67, 38.716, 161.643.

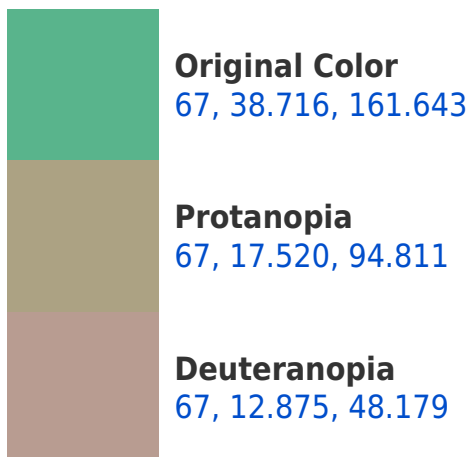


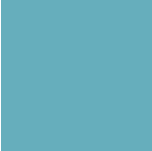
This preview shows how white text looks on a background with the CIELCh color 67, 38.716, 161.643.

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
67, 23.563, 217.055

Trichromacy



Original Color
67, 38.716, 161.643



Protanomaly
66, 22.022, 136.972



Deuteranomaly
66, 13.692, 136.018



Tritanomaly
67, 26.001, 191.126

Monochromacy



Original Color
67, 38.716, 161.643



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 15.104, 164.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 38.716, 161.643 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(89, 180, 140)` looks like.

```
.text, #text, p{  
    color:rgb(89, 180, 140)  
}
```

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(89, 180, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 180, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 38.716, 161.643 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(89, 180, 140) }
```

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

```
.border{ border-color:rgb(89, 180, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 180, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 180, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 180, 140);  
box-shadow:4px 4px 4px 4px rgb(89, 180,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 38.716, 161.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 180, 140) }
```

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

```
.background{ background-color: rgb(89, 180,  
140) }
```

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