

Converting Colors

CIELCh(68, 47.624, 158.747)

Have a look what the booklet for
CIELCh(68, 47.624, 158.747)
contains.

CIELCh(68, 47.458, 158.905)	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(68, 47.458, 158.905)

Conversions

Conversions Part 1

Format	Color
Hex	48B985
RGB	72, 185, 133
RGB Percent	28%, 73%, 52%
CMY	0.7158, 0.2729, 0.4769
CMYK	0.61, 0.00, 0.28, 0.27
HSL	152°, 45%, 51%
HSV	152°, 61%, 73%
XYZ	24.4036, 37.9720, 28.3739
YIQ	145.2850, -50.6560, -40.1280

Conversions

Conversions Part 2

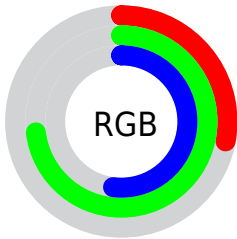
Format	Color
RYB	72, 145, 185
Decimal	4766085
CIELab	68.00, -44.28, 17.08
CIELCh	68, 47.458, 158.905
Yxy	37.9720, 0.2689, 0.4184
Android (android.graphics.Color)	4282956165 (0xFF48B985)
YUV	145.2850, -6.0565, -64.2709
Hunter-Lab	61.6215, -37.1471, 15.8346

Details

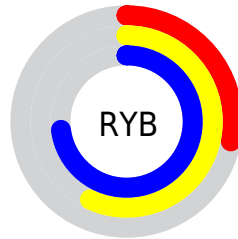
The CIELCh color **68, 47.458, 158.905** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **48, 51.035, 353.386**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 47.581, 158.664**, and **48, 46.186, 157.682** is the 20% darker color. If you saturate the color by 10%, you get **67, 53.593, 157.214**, and if you desaturate by 10%, it is **69, 40.643, 160.401**.

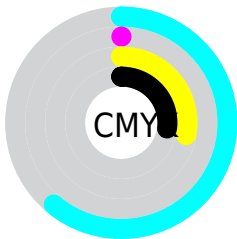
Distribution



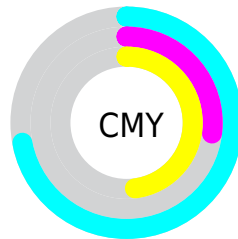
- Red (28%)
- Green (73%)
- Blue (52%)



- Red (28%)
- Yellow (57%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)




- Cyan (72%)
- Magenta (27%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 47.458, 158.905 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 68, 47.458, 158.905 by changing the saturation by 10% instead.


 68, 47.458,
158.905


 68, 47.458,
158.905


 100, 47.458,
158.905


 58, 47.458,
158.905


 88, 47.458,
158.905

 48, 47.458,
158.905

 98, 47.458,
158.905

 38, 47.458,
158.905

 28, 47.458,
158.905

 18, 47.458,
158.905

 8, 47.458, 158.905

 0, 47.458, 158.905

■ 68, 47.458,
158.905

■ 68, 47.458,
158.905

■ 67, 53.593,
157.214

■ 69, 40.643,
160.401

■ 67, 58.970,
155.315

■ 70, 33.262,
161.727

■ 67, 63.575,
153.208

■ 71, 25.452,
162.907

■ 66, 67.234,
151.205

■ 72, 17.349,
163.966

■ 74, 9.082, 164.934

■ 75, 0.758, 166.275

■ 77, 7.533, 346.487

■ 79, 15.723,
347.241

■ 81, 23.763,
347.926

Harmonies

Complementary

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



68, 47.458, 158.905



48, 51.035, 353.386

Rectangle

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



68, 47.458, 158.905



68, 47.458, 208.905



68, 47.458, 338.905



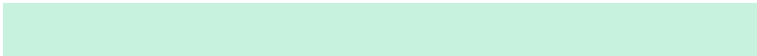
68, 47.458, 28.905

Sweetspot

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



68, 47.459, 158.904



92, 18.572, 164.227



69, 63.024, 127.579



49, 12.993, 163.935



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 47.459, 158.904



86, 67.773, 156.610



68, 31.593, 200.766



38, 4.675, 165.084



56, 58.656, 151.544



8, 14.062, 159.326

Inverse Universe

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



48, 51.035, 353.386



57, 72.201, 356.468



47, 50.381, 29.406



36, 4.744, 346.578



33, 58.384, 5.097



2, 11.953, 353.035

Previews

White Background



This preview shows how the CIE LCh color 68, 47.458, 158.905 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 CIE LCh color 68, 47.458, 158.905 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 68, 47.458, 158.905

Background



This preview shows how black text looks on a background with the CIELCh color 68, 47.458, 158.905.

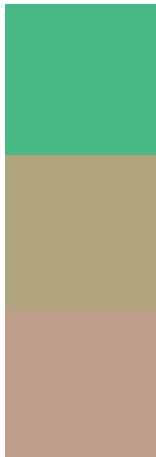


This preview shows how white text looks on a background with the CIELCh color 68, 47.458, 158.905.

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
68, 47.458, 158.905

Protanopia
67, 22.456, 94.994

Deuteranopia
67, 16.569, 58.980



Tritanopia
68, 26.731, 214.419

Trichromacy



Original Color
68, 47.458, 158.905



Protanomaly
67, 28.095, 136.202



Deuteranomaly
67, 18.979, 134.213



Tritanomaly
68, 30.920, 186.574

Monochromacy



Original Color
68, 47.458, 158.905



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 18.835, 163.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 47.458, 158.905 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(72, 185, 133)` looks like.

```
.text, #text, p{  
    color:rgb(72, 185, 133)  
}
```

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(72, 185, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 185, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 47.458, 158.905 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(72, 185, 133) }
```

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

```
.border{ border-color:rgb(72, 185, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 185, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 185, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 185, 133);  
box-shadow:4px 4px 4px 4px rgb(72, 185,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 47.458, 158.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 185, 133) }
```

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

```
.background{ background-color: rgb(72, 185,  
133) }
```

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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