

Converting Colors

CIELCh(68, 46.130, 160.318)

Have a look what the booklet for
CIELCh(68, 46.130, 160.318)
contains.

CIELCh(68, 46.141, 160.259)	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, 46.141, 160.259)

Conversions

Conversions Part 1

Format	Color
Hex	49B988
RGB	73, 185, 136
RGB Percent	29%, 73%, 53%
CMY	0.7130, 0.2739, 0.4661
CMYK	0.60, 0.00, 0.26, 0.27
HSL	154°, 44%, 51%
HSV	154°, 60%, 73%
XYZ	24.5996, 37.9720, 29.3824
YIQ	145.9260, -51.0230, -38.9830

Conversions

Conversions Part 2

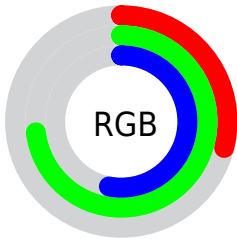
Format	Color
RYB	73, 145, 185
Decimal	4831624
CIELab	68.00, -43.43, 15.58
CIELCh	68, 46.141, 160.259
Yxy	37.9720, 0.2675, 0.4129
Android (android.graphics.Color)	4283021704 (0xFF49B988)
YUV	145.9260, -4.8935, -63.9561
Hunter-Lab	61.6215, -36.5794, 14.8643

Details

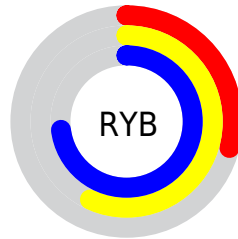
The CIELCh color **68, 46.141, 160.259** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **48, 50.209, 354.879**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 46.505, 160.077**, and **48, 44.946, 159.272** is the 20% darker color. If you saturate the color by 10%, you get **67, 52.116, 158.580**, and if you desaturate by 10%, it is **69, 39.489, 161.747**.

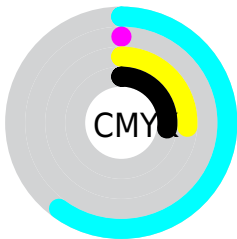
Distribution



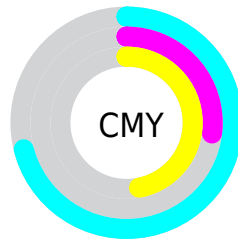
- Red (29%)
- Green (73%)
- Blue (53%)



- Red (29%)
- Yellow (57%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)




- Cyan (71%)
- Magenta (27%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 46.141, 160.259 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, 46.141, 160.259 by changing the saturation by 10% instead.

 68, 46.141,
160.259


 68, 46.141,
160.259

 100, 46.141,
160.259


 58, 46.141,
160.259


 88, 46.141,
160.259

 48, 46.141,
160.259

 98, 46.141,
160.259

 38, 46.141,
160.259

 28, 46.141,
160.259

 18, 46.141,
160.259

 8, 46.141, 160.259

 0, 46.141, 160.259

■ 68, 46.141,
160.259

■ 68, 46.141,
160.259

■ 67, 52.116,
158.580

■ 69, 39.489,
161.747

■ 67, 57.339,
156.694

■ 70, 32.273,
163.068

■ 67, 61.798,
154.601

■ 71, 24.625,
164.248

■ 66, 65.486,
152.500

■ 72, 16.680,
165.310

■ 74, 8.564, 166.288

■ 75, 0.383, 168.166

■ 77, 7.774, 347.859

■ 79, 15.840,
348.627

■ 81, 23.766,
349.326

Harmonies

Complementary

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



68, 46.141, 160.259



48, 50.209, 354.879

Rectangle

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



68, 46.141, 160.259



68, 46.141, 210.259



68, 46.141, 340.259



68, 46.141, 30.259

Sweetspot

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



68, 46.142, 160.258



91, 18.106, 165.530



69, 62.855, 128.151



48, 12.554, 165.238



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 46.142, 160.258



85, 65.710, 157.905



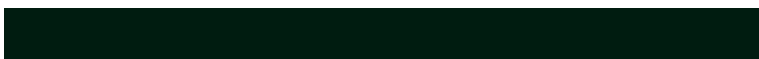
68, 30.884, 202.820



38, 4.600, 166.397



56, 57.201, 152.836



8, 13.839, 160.407

Inverse Universe

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



48, 50.209, 354.879



56, 71.109, 358.201



47, 49.344, 30.259



36, 4.675, 347.915



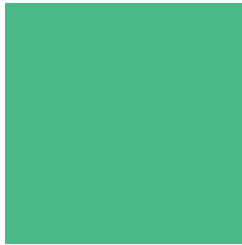
33, 58.365, 7.291



2, 11.820, 354.326

Previews

White Background



This preview shows how the CIE LCh color 68, 46.141, 160.259 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, 46.141, 160.259 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, 46.141, 160.259

Background



This preview shows how black text looks on a background with the CIELCh color 68, 46.141, 160.259.

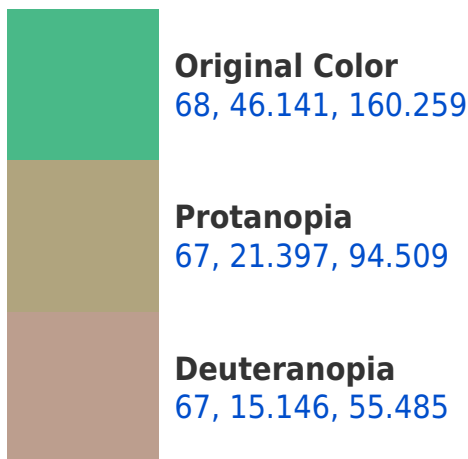


This preview shows how white text looks on a background with the CIELCh color 68, 46.141, 160.259.

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
68, 26.731, 214.419

Trichromacy



Original Color
68, 46.141, 160.259



Protanomaly
67, 26.467, 137.180



Deuteranomaly
67, 17.697, 137.609



Tritanomaly
68, 30.725, 187.576

Monochromacy



Original Color
68, 46.141, 160.259



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 18.197, 164.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 46.141, 160.259 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(73, 185, 136)` looks like.

```
.text, #text, p{  
    color:rgb(73, 185, 136)  
}
```

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(73, 185, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 185, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 46.141, 160.259 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(73, 185, 136) }
```

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

```
.border{ border-color:rgb(73, 185, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 185, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 185, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 185, 136);  
box-shadow:4px 4px 4px 4px rgb(73, 185,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 46.141, 160.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 185, 136) }
```

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

```
.background{ background-color: rgb(73, 185,  
136) }
```

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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