

Converting Colors

CIELCh(68, 44.920, 166.371)

Have a look what the booklet for
CIELCh(68, 44.920, 166.371)
contains.

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Color

CIElCh(68, 45.210, 165.986)

Conversions

Conversions Part 1

Format	Color
Hex	3DBA91
RGB	61, 186, 145
RGB Percent	24%, 73%, 57%
CMY	0.7590, 0.2723, 0.4330
CMYK	0.67, 0.00, 0.22, 0.27
HSL	160°, 50%, 48%
HSV	160°, 67%, 73%
XYZ	24.4990, 37.9720, 32.6598
YIQ	143.9510, -61.3390, -39.2510

Conversions

Conversions Part 2

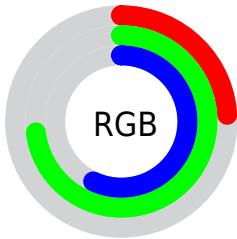
Format	Color
RYB	61, 136, 186
Decimal	4045457
CIELab	68.00, -43.86, 10.95
CIELCh	68, 45.210, 165.986
Yxy	37.9720, 0.2575, 0.3992
Android (android.graphics.Color)	4282235537 (0xFF3DBA91)
YUV	143.9510, 0.5172, -72.7480
Hunter-Lab	61.6215, -36.8710, 11.7109

Details

The CIELCh color **68, 45.210, 165.986** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **45, 53.194, 4.421**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 45.333, 166.072**, and **49, 41.847, 164.105** is the 20% darker color. If you saturate the color by 10%, you get **67, 49.832, 164.249**, and if you desaturate by 10%, it is **69, 39.843, 167.536**.

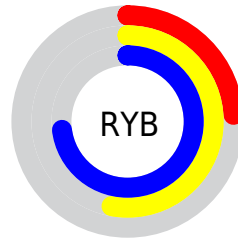
Distribution



Red (24%)

Green (73%)

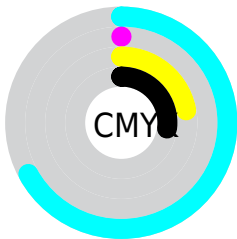
Blue (57%)



Red (24%)

Yellow (53%)

Blue (73%)

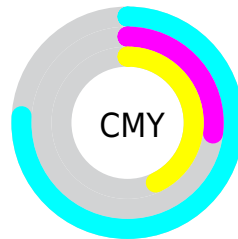


Cyan (67%)

Magenta (0%)

Yellow (22%)

Black (27%)



Cyan (76%)

Magenta (27%)

Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 45.210, 165.986 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, 45.210, 165.986 by changing the saturation by 10% instead.


 68, 45.210,
165.986

 68, 45.210,
165.986

 100, 45.210,
165.986

 58, 45.210,
165.986


 88, 45.210,
165.986


 48, 45.210,
165.986


 98, 45.210,
165.986

 38, 45.210,
165.986

 28, 45.210,
165.986

 18, 45.210,
165.986

 8, 45.210, 165.986

 0, 45.210, 165.986

■ 68, 45.210,
165.986

■ 68, 45.210,
165.986

■ 67, 49.832,
164.249

■ 69, 39.843,
167.536

■ 67, 53.688,
162.312

■ 69, 33.804,
168.924

■ 67, 56.845,
160.189

■ 70, 27.201,
170.175

■ 67, 57.775,
159.534

■ 72, 20.159,
171.312

■ 73, 12.804,
172.360

■ 74, 5.250, 173.366

■ 76, 2.400, 353.988

■ 78, 10.066,
354.963

■ 79, 17.681,
355.769

Harmonies

Complementary

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



68, 45.210, 165.986



45, 53.194, 4.421

Rectangle

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



68, 45.210, 165.986



68, 45.210, 215.986



68, 45.210, 345.986



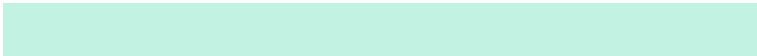
68, 45.210, 35.986

Sweetspot

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



68, 45.210, 165.985



92, 18.780, 172.006



68, 70.946, 131.554



49, 12.875, 171.711



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, 45.210, 165.985



86, 63.080, 163.410



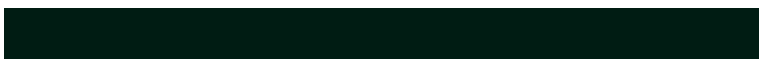
63, 30.021, 220.207



38, 4.284, 173.116



57, 50.436, 159.862



8, 12.785, 166.479

Inverse Universe

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



45, 53.194, 4.421



54, 74.971, 9.393



48, 51.708, 38.714



36, 4.389, 354.713



32, 59.619, 17.517



2, 11.322, 0.144

Previews

White Background



This preview shows how the CIE LCh color 68, 45.210, 165.986 looks on a white background.

Color Contrast Check

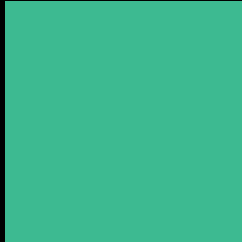
Large Text (above 18pt) WCAG AA × Fail

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, 45.210, 165.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

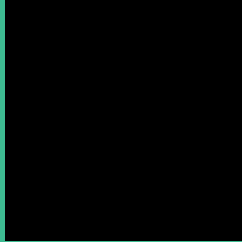
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 45.210, 165.986

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.210, 165.986.

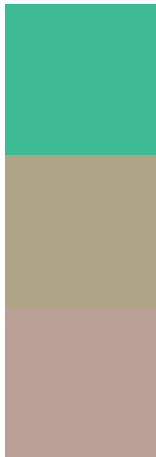


This preview shows how white text looks on a background with the CIELCh color 68, 45.210, 165.986.

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, 45.363, 166.082

Protanopia
67, 16.948, 94.493

Deuteranopia
68, 11.908, 44.632



Tritanopia
68, 28.962, 212.916

Trichromacy



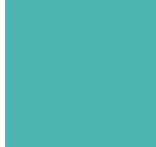
Original Color
68, 45.363, 166.082



Protanomaly
67, 24.078, 146.614



Deuteranomaly
67, 15.851, 151.200



Tritanomaly
68, 32.242, 190.891

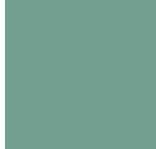
Monochromacy



Original Color
68, 45.363, 166.082



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 18.730, 170.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.210, 165.986 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(61, 186, 145)` looks like.

```
.text, #text, p{  
    color:rgb(61, 186, 145)  
}
```

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(61, 186, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 186, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.210, 165.986 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(61, 186, 145) }
```

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

```
.border{ border-color:rgb(61, 186, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 186, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 186, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 186, 145);  
box-shadow:4px 4px 4px 4px rgb(61, 186,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.210, 165.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 186, 145) }
```

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

```
.background{ background-color: rgb(61, 186,  
145) }
```

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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