

Converting Colors

CIELCh(68, 44.829, 164.165)

Have a look what the booklet for
CIELCh(68, 44.829, 164.165)
contains.

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Color

CIELCh(68, 44.787, 164.077)

Conversions

Conversions Part 1

Format	Color
Hex	44B98E
RGB	68, 185, 142
RGB Percent	27%, 73%, 56%
CMY	0.7325, 0.2738, 0.4424
CMYK	0.63, 0.00, 0.23, 0.27
HSL	158°, 46%, 50%
HSV	158°, 63%, 73%
XYZ	24.6832, 37.9720, 31.6895
YIQ	145.1150, -55.9290, -38.1770

Conversions

Conversions Part 2

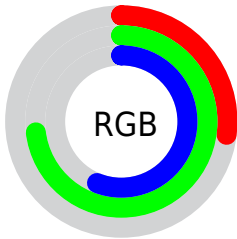
Format	Color
RYB	68, 140, 185
Decimal	4503950
CIELab	68.00, -43.07, 12.29
CIELCh	68, 44.787, 164.077
Yxy	37.9720, 0.2616, 0.4025
Android (android.graphics.Color)	4282694030 (0xFF44B98E)
YUV	145.1150, -1.5357, -67.6299
Hunter-Lab	61.6215, -36.3372, 12.6445

Details

The CIELCh color **68, 44.787, 164.077** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **47, 50.974, 0.556**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 44.731, 164.104**, and **48, 42.511, 162.714** is the 20% darker color. If you saturate the color by 10%, you get **67, 49.993, 162.376**, and if you desaturate by 10%, it is **69, 38.870, 165.591**.

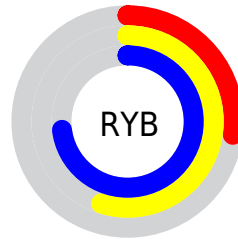
Distribution



Red (27%)

Green (73%)

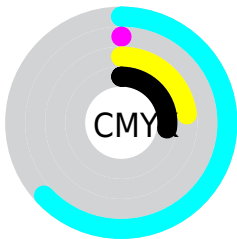
Blue (56%)



Red (27%)

Yellow (55%)

Blue (73%)

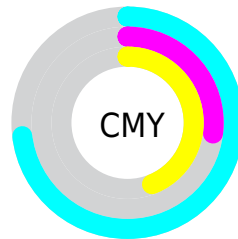


Cyan (63%)

Magenta (0%)

Yellow (23%)

Black (27%)



Cyan (73%)

Magenta (27%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 44.787, 164.077 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, 44.787, 164.077 by changing the saturation by 10% instead.

 68, 44.787,
164.077

 68, 44.787,
164.077

 100, 44.787,
164.077

 58, 44.787,
164.077


 88, 44.787,
164.077

 48, 44.787,
164.077

 98, 44.787,
164.077

 38, 44.787,
164.077

 28, 44.787,
164.077

 18, 44.787,
164.077

 8, 44.787, 164.077

 0, 44.787, 164.077

■ 68, 44.787,
164.077

■ 68, 44.787,
164.077

■ 67, 49.993,
162.376

■ 69, 38.870,
165.591

■ 67, 54.438,
160.473

■ 70, 32.334,
166.944

■ 67, 58.141,
158.366

■ 71, 25.300,
168.161

■ 67, 60.386,
156.880

■ 72, 17.897,
169.265

■ 73, 10.249,
170.284

■ 75, 2.469, 171.337

■ 76, 5.352, 351.939

■ 78, 13.139,
352.785

■ 80, 20.834,
353.549

Harmonies

Complementary

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



68, 44.787, 164.077



47, 50.974, 0.556

Rectangle

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



68, 44.787, 164.077



68, 44.787, 214.077



68, 44.787, 344.077



68, 44.787, 34.077

Sweetspot

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



68, 44.788, 164.076



91, 18.167, 169.666



69, 66.550, 130.202



48, 12.464, 169.372



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, 44.788, 164.076



85, 62.974, 161.626



65, 29.880, 212.029



38, 4.388, 170.663



57, 52.774, 157.212



8, 13.151, 164.155

Inverse Universe

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



47, 50.974, 0.556



55, 72.026, 4.720



48, 49.702, 34.877



36, 4.481, 352.241



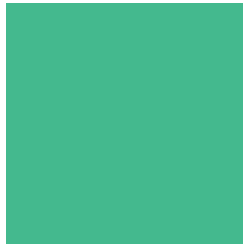
33, 58.931, 13.992



2, 11.474, 358.153

Previews

White Background



This preview shows how the CIELCh color 68, 44.787, 164.077 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 68, 44.787, 164.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

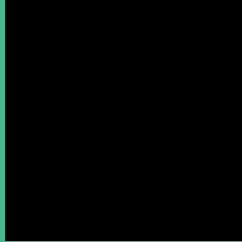
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 44.787, 164.077

Background



This preview shows how black text looks on a background with the CIELCh color 68, 44.787, 164.077.

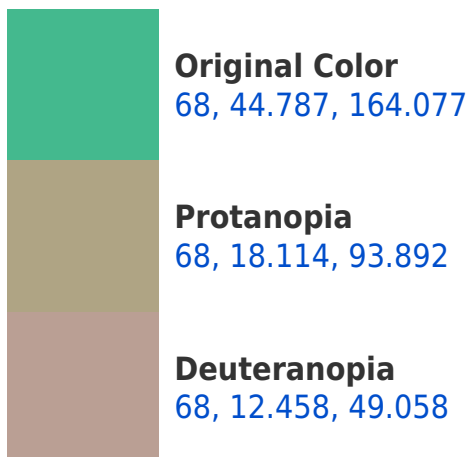


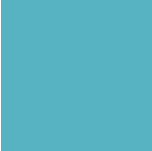
This preview shows how white text looks on a background with the CIELCh color 68, 44.787, 164.077.

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, 27.815, 214.884

Trichromacy



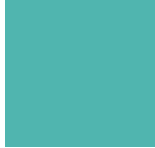
Original Color
68, 44.787, 164.077



Protanomaly
67, 24.290, 143.115



Deuteranomaly
67, 16.221, 146.781



Tritanomaly
68, 31.246, 190.781

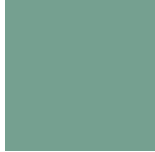
Monochromacy



Original Color
68, 44.787, 164.077



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 18.421, 168.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 44.787, 164.077 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(68, 185, 142)` looks like.

```
.text, #text, p{  
    color:rgb(68, 185, 142)  
}
```

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(68, 185, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 185, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 44.787, 164.077 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(68, 185, 142) }
```

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

```
.border{ border-color:rgb(68, 185, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 185, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 185, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 185, 142);  
box-shadow:4px 4px 4px 4px rgb(68, 185,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 44.787, 164.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 185, 142) }
```

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

```
.background{ background-color: rgb(68, 185,  
142) }
```

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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