

Converting Colors

CIELCh(68, 42.400, 151.490)

Have a look what the booklet for
CIELCh(68, 42.400, 151.490)
contains.

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Color

CIELCh(68, 42.568, 151.406)

Conversions

Conversions Part 1

Format	Color
Hex	65B780
RGB	101, 183, 128
RGB Percent	40%, 72%, 50%
CMY	0.6056, 0.2841, 0.4997
CMYK	0.45, 0.00, 0.30, 0.28
HSL	140°, 36%, 56%
HSV	140°, 45%, 72%
XYZ	26.0283, 37.9720, 26.2363
YIQ	152.2120, -31.2170, -34.4890

Conversions

Conversions Part 2

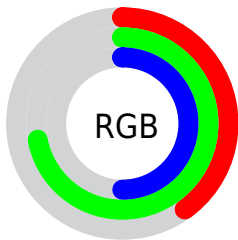
Format	Color
RYB	101, 163, 183
Decimal	6666112
CIELab	68.00, -37.38, 20.37
CIElCh	68, 42.568, 151.406
Yxy	37.9720, 0.2884, 0.4208
Android (android.graphics.Color)	4284856192 (0xFF65B780)
YUV	152.2120, -11.9365, -44.9129
Hunter-Lab	61.6215, -32.4408, 17.8914

Details

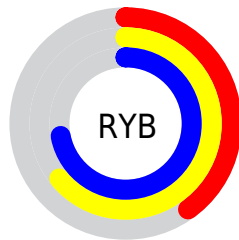
The CIELCh color **68, 42.568, 151.406** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 43.175, 339.056**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 42.254, 151.391**, and **48, 42.528, 151.244** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.275, 150.094**, and if you desaturate by 10%, it is **69, 33.395, 152.550**.

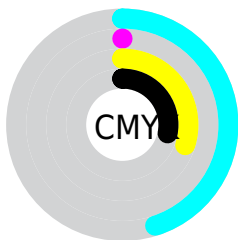
Distribution



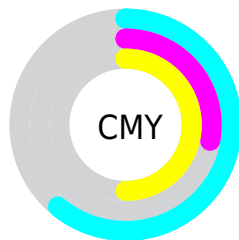
- Red (40%)
- Green (72%)
- Blue (50%)



- Red (40%)
- Yellow (64%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (28%)



- Cyan (61%)
- Magenta (28%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 42.568, 151.406 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, 42.568, 151.406 by changing the saturation by 10% instead.

 68, 42.568,
151.406

 68, 42.568,
151.406

 100, 42.568,
151.406

 58, 42.568,
151.406

 88, 42.568,
151.406

 48, 42.568,
151.406

 98, 42.568,
151.406

 38, 42.568,
151.406

 28, 42.568,
151.406

 18, 42.568,
151.406

 8, 42.568, 151.406

 0, 42.568, 151.406

■ 68, 42.568,
151.406

■ 68, 42.568,
151.406

■ 67, 51.275,
150.094

■ 69, 33.395,
152.550

■ 66, 59.337,
148.598

■ 70, 23.925,
153.549

■ 66, 66.597,
146.914

■ 72, 14.314,
154.426

■ 65, 72.935,
145.055

■ 73, 4.692, 155.234

■ 65, 78.286,
143.070

■ 75, 4.837, 335.770

■ 65, 80.715,
142.104

■ 77, 14.199,
336.412

■ 79, 23.339,
336.956

■ 81, 32.225,
337.442

■ 82, 38.561,
333.821

Harmonies

Complementary

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



68, 42.568, 151.406



54, 43.175, 339.056

Rectangle

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



68, 42.568, 151.406



68, 42.568, 201.406



68, 42.568, 331.406



68, 42.568, 21.406

Sweetspot

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



68, 42.569, 151.406



91, 15.425, 154.565



71, 44.619, 119.946



49, 10.888, 154.384



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, 42.569, 151.406



85, 62.369, 150.096



69, 28.724, 180.292



38, 5.451, 154.876



56, 71.267, 142.380



8, 15.950, 152.005

Inverse Universe

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



54, 43.175, 339.056



64, 62.944, 340.057



52, 35.156, 10.311



36, 5.483, 336.120



34, 62.825, 346.789



3, 13.725, 340.982

Previews

White Background



This preview shows how the CIE LCh color 68, 42.568, 151.406 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, 42.568, 151.406 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, 42.568, 151.406

Background



This preview shows how black text looks on a background with the CIELCh color 68, 42.568, 151.406.

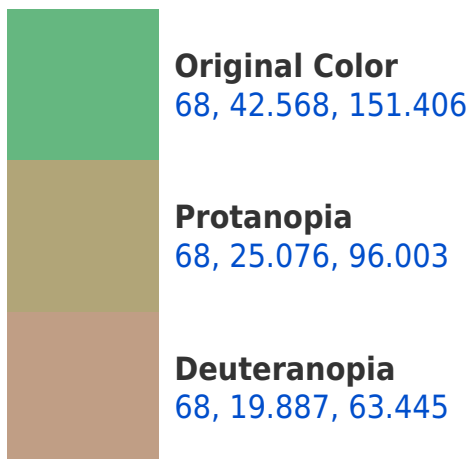


This preview shows how white text looks on a background with the CIELCh color 68, 42.568, 151.406.

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, 20.617, 220.129

Trichromacy



Original Color
68, 42.568, 151.406



Protanomaly
67, 27.615, 126.281



Deuteranomaly
67, 19.955, 117.454



Tritanomaly
68, 24.151, 182.809

Monochromacy



Original Color
68, 42.568, 151.406



Achromatopsia
63, 0.008, 296.813



Achromatomaly
64, 16.071, 154.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 42.568, 151.406 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(101, 183, 128)` looks like.

```
.text, #text, p{  
    color:rgb(101, 183, 128)  
}
```

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(101, 183, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 183, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 42.568, 151.406 is called "border". The border property can be set on classes, ids or directly on the HTML element.

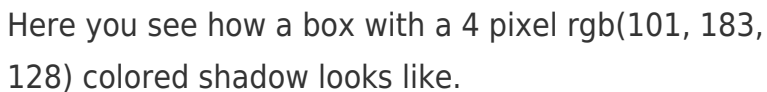
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 183, 128) }
```

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

```
.border{ border-color:rgb(101, 183, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 183, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 183, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 183, 128);  
box-shadow:4px 4px 4px 4px rgb(101, 183,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 42.568, 151.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 183, 128) }
```

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

```
.background{ background-color: rgb(101,  
183, 128) }
```

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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