

Converting Colors

CIELCh(68, 33.445, 192.418)

Have a look what the booklet for
CIELCh(68, 33.445, 192.418)
contains.

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Color

CIELCh(68, 33.404, 192.947)

Conversions

Conversions Part 1

Format	Color
Hex	44B6B2
RGB	68, 182, 178
RGB Percent	27%, 71%, 70%
CMY	0.7326, 0.2857, 0.3014
CMYK	0.63, 0.00, 0.02, 0.29
HSL	178°, 46%, 49%
HSV	178°, 63%, 71%
XYZ	27.2051, 37.9720, 48.0917
YIQ	147.4580, -66.6600, -25.4120

Conversions

Conversions Part 2

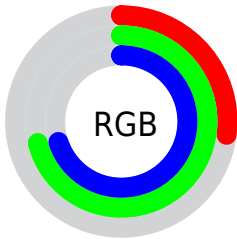
Format	Color
RYB	68, 126, 182
Decimal	4503218
CIELab	68.00, -32.55, -7.48
CIELCh	68, 33.404, 192.947
Yxy	37.9720, 0.2402, 0.3352
Android (android.graphics.Color)	4282693298 (0xFF44B6B2)
YUV	147.4580, 15.0572, -69.6847
Hunter-Lab	61.6215, -29.0320, -3.1371




Details

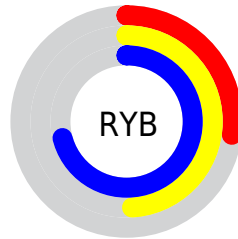
The CIELCh color **68, 33.404, 192.947** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **45, 51.511, 25.609**, and the grayscale version is **61, 0.008, 296.813**.




A 20% lighter version of the original color is **88, 33.231, 193.610**, and **48, 30.591, 192.957** is the 20% darker color. If you saturate the color by 10%, you get **68, 36.240, 192.458**, and if you desaturate by 10%, it is **69, 29.744, 193.451**.

Distribution







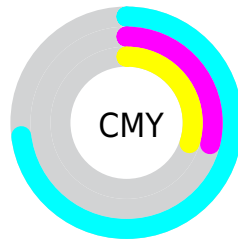
-  Red (27%)
-  Green (71%)
-  Blue (70%)






-  Red (27%)
-  Yellow (49%)
-  Blue (71%)



-  Cyan (63%)
-  Magenta (0%)
-  Yellow (2%)
-  Black (29%)




-  Cyan (73%)
-  Magenta (29%)
-  Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 33.404, 192.947 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, 33.404, 192.947 by changing the saturation by 10% instead.


 68, 33.404,
192.947


 68, 33.404,
192.947


 100, 33.404,
192.947


 58, 33.404,
192.947


 88, 33.404,
192.947

 48, 33.404,
192.947

 98, 33.404,
192.947

 38, 33.404,
192.947

 28, 33.404,
192.947

 18, 33.404,
192.947

 8, 33.404, 192.947

 0, 33.404, 192.947

68, 33.404,
192.947

68, 33.404,
192.947

68, 36.240,
192.458

69, 29.744,
193.451

67, 38.247,
191.980

69, 25.313,
193.981

67, 39.470,
191.501

70, 20.191,
194.539

67, 40.032,
191.142

71, 14.482,
195.128

72, 8.293, 195.758

74, 1.731, 196.615

75, 5.105, 16.860

77, 12.130, 17.571

79, 19.271, 18.246

Harmonies

Complementary

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



68, 33.404, 192.947



45, 51.511, 25.609

Rectangle

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



68, 33.404, 192.947



68, 33.404, 242.947



68, 33.404, 12.947



68, 33.404, 62.947

Sweetspot

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



68, 33.404, 192.945



91, 15.256, 195.327



66, 71.422, 138.163



48, 10.495, 195.152



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, 33.404, 192.945



86, 45.183, 192.281



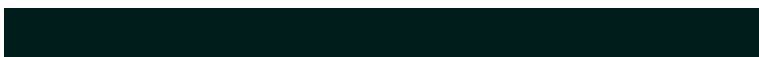
53, 33.269, 262.736



38, 3.792, 195.978



58, 35.614, 191.204



8, 10.622, 193.752

Inverse Universe

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



45, 51.511, 25.609



54, 77.355, 30.121



56, 42.487, 62.790



36, 4.004, 17.070



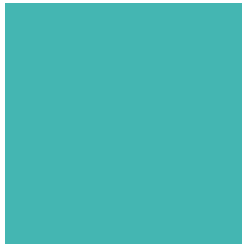
32, 70.542, 38.178



2, 10.651, 17.267

Previews

White Background



This preview shows how the CIELCh color 68, 33.404, 192.947 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, 33.404, 192.947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

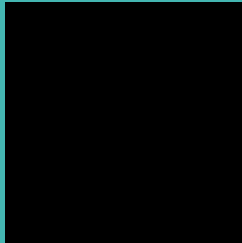
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 33.404, 192.947

Background



This preview shows how black text looks on a background with the CIELCh color 68, 33.404, 192.947.

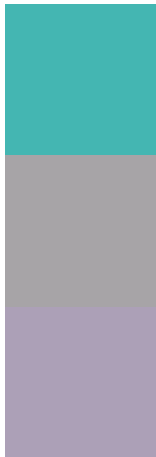


This preview shows how white text looks on a background with the CIELCh color 68, 33.404, 192.947.

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

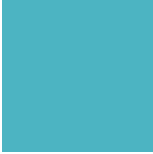
68, 33.404, 192.947

Protanopia

68, 2.023, 324.427

Deuteranopia

68, 13.503, 310.369



Tritanopia
68, 30.269, 212.128

Trichromacy



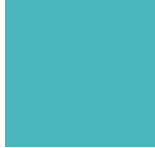
Original Color
68, 33.404, 192.947



Protanomaly
67, 14.128, 198.247



Deuteranomaly
67, 13.552, 230.793



Tritanomaly
68, 31.133, 204.222

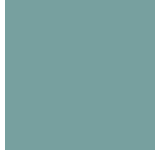
Monochromacy



Original Color
68, 33.404, 192.947



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 14.625, 195.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 33.404, 192.947 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, 182, 178)` looks like.

```
.text, #text, p{  
    color:rgb(68, 182, 178)  
}
```

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, 182, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 182, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 33.404, 192.947 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, 182, 178) }
```

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

```
.border{ border-color:rgb(68, 182, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 182, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 182, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 182, 178);  
box-shadow:4px 4px 4px 4px rgb(68, 182,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 33.404, 192.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 182, 178) }
```

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

```
.background{ background-color: rgb(68, 182,  
178) }
```

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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