

Converting Colors

CIELCh(68, 53.521, 161.610)

Have a look what the booklet for
CIELCh(68, 53.521, 161.610)
contains.

CIELCh(68, 53.404, 161.748)	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, 53.404, 161.748)

Conversions

Conversions Part 1

Format	Color
Hex	24BC86
RGB	36, 188, 134
RGB Percent	14%, 74%, 53%
CMY	0.8602, 0.2635, 0.4752
CMYK	0.81, 0.00, 0.29, 0.26
HSL	159°, 68%, 44%
HSV	159°, 81%, 74%
XYZ	22.9500, 37.9720, 28.6111
YIQ	136.3960, -73.2580, -49.0180

Conversions

Conversions Part 2

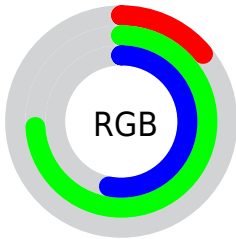
Format	Color
RYB	36, 128, 188
Decimal	2407558
CIELab	68.00, -50.72, 16.73
CIELCh	68, 53.404, 161.748
Yxy	37.9720, 0.2563, 0.4241
Android (android.graphics.Color)	4280597638 (0xFF24BC86)
YUV	136.3960, -1.1812, -88.0473
Hunter-Lab	61.6215, -41.3579, 15.6065

Details

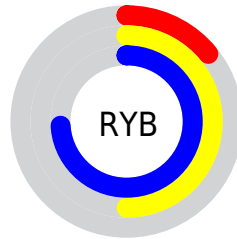
The CIELCh color **68, 53.404, 161.748** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **42, 61.779, 7.210**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 53.390, 161.638**, and **49, 46.835, 157.510** is the 20% darker color. If you saturate the color by 10%, you get **68, 57.191, 159.692**, and if you desaturate by 10%, it is **68, 48.856, 163.597**.

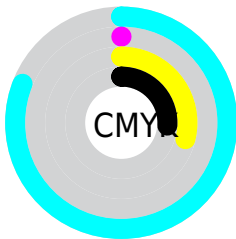
Distribution



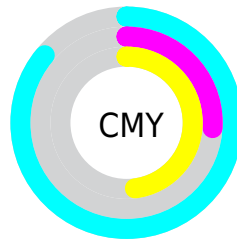
- Red (14%)
- Green (74%)
- Blue (53%)



- Red (14%)
- Yellow (50%)
- Blue (74%)



- Cyan (81%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)



- Cyan (86%)
- Magenta (26%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 53.404, 161.748 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, 53.404, 161.748 by changing the saturation by 10% instead.


 68, 53.404,
161.748


 68, 53.404,
161.748


 100, 53.404,
161.748

 58, 53.404,
161.748


 88, 53.404,
161.748

 48, 53.404,
161.748

 98, 53.404,
161.748

 38, 53.404,
161.748

 28, 53.404,
161.748

 18, 53.404,
161.748

 8, 53.404, 161.748

 0, 53.404, 161.748

■ 68, 53.404,
161.748

■ 68, 53.404,
161.748

■ 68, 57.191,
159.692

■ 68, 48.856,
163.597

■ 67, 60.104,
157.743

■ 69, 43.541,
165.248

■ 70, 37.518,
166.721

■ 71, 30.888,
168.040

■ 72, 23.775,
169.230

■ 73, 16.307,
170.315

■ 74, 8.609, 171.325

■ 76, 0.790, 172.739

Harmonies

Complementary

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



68, 53.404, 161.748



42, 61.779, 7.210

Rectangle

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



68, 53.404, 161.748



68, 53.404, 211.748



68, 53.404, 341.748



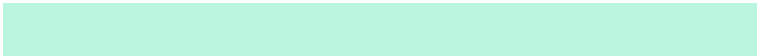
68, 53.404, 31.748

Sweetspot

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



68, 53.404, 161.747



92, 23.016, 169.958



68, 81.667, 130.601



48, 15.736, 169.571



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, 53.404, 161.747



86, 72.727, 158.011



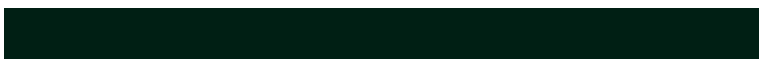
63, 33.457, 217.036



39, 4.451, 171.490



58, 52.620, 158.064



9, 14.894, 164.409

Inverse Universe

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



42, 61.779, 7.210



52, 82.507, 15.476



44, 66.543, 39.022



37, 4.550, 353.082



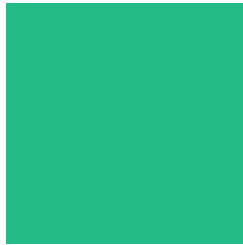
33, 59.863, 15.294



3, 13.068, 359.798

Previews

White Background



This preview shows how the CIELCh color 68, 53.404, 161.748 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, 53.404, 161.748 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, 53.404, 161.748

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.404, 161.748.

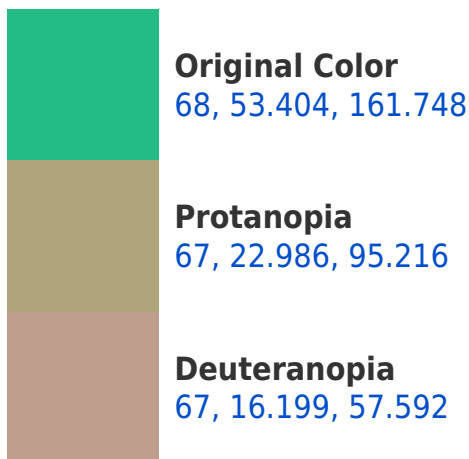


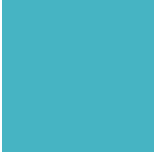
This preview shows how white text looks on a background with the CIELCh color 68, 53.404, 161.748.

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, 31.299, 212.629

Trichromacy



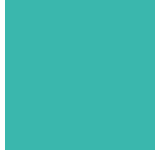
Original Color
68, 53.404, 161.748



Protanomaly
66, 31.448, 143.683



Deuteranomaly
66, 22.125, 147.058



Tritanomaly
68, 36.305, 187.722

Monochromacy



Original Color
68, 53.404, 161.748



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 23.271, 168.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 53.404, 161.748 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(36, 188, 134)` looks like.

```
.text, #text, p{  
    color:rgb(36, 188, 134)  
}
```

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(36, 188, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 188, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.404, 161.748 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(36, 188, 134) }
```

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

```
.border{ border-color:rgb(36, 188, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 188, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 188, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 188, 134);  
box-shadow:4px 4px 4px 4px rgb(36, 188,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.404, 161.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 188, 134) }
```

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

```
.background{ background-color: rgb(36, 188,  
134) }
```

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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