

Converting Colors

CIELCh(68, 64.354, 154.365)

Have a look what the booklet for
CIELCh(68, 64.354, 154.365)
contains.

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Color

CIELCh(68, 64.359, 154.377)

Conversions

Conversions Part 1

Format	Color
Hex	01BE71
RGB	1, 190, 113
RGB Percent	0%, 75%, 44%
CMY	0.9980, 0.2553, 0.5572
CMYK	1.00, 0.00, 0.41, 0.26
HSL	156°, 99%, 37%
HSV	156°, 100%, 74%
XYZ	21.3706, 37.9720, 21.7961
YIQ	124.7110, -87.9270, -64.0150

Conversions

Conversions Part 2

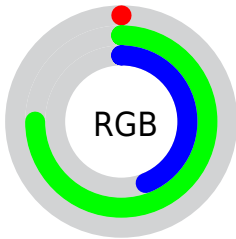
Format	Color
RYB	1, 120, 190
Decimal	114289
CIELab	68.00, -58.03, 27.83
CIELCh	68, 64.359, 154.377
Yxy	37.9720, 0.2634, 0.4680
Android (android.graphics.Color)	4278304369 (0xFF01BE71)
YUV	124.7110, -5.7735, -108.4945
Hunter-Lab	61.6215, -45.9329, 22.1635

Details

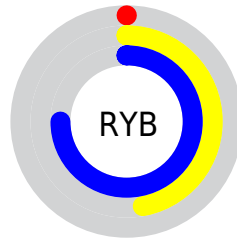
The CIELCh color **68, 64.359, 154.377** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **40, 67.822, 11.021**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 64.732, 154.100**, and **49, 56.233, 148.520** is the 20% darker color. If you saturate the color by 10%, you get **68, 64.457, 154.320**, and if you desaturate by 10%, it is **68, 60.643, 156.586**.

Distribution



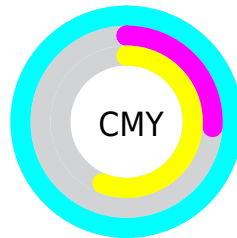
- Red (0%)
- Green (75%)
- Blue (44%)



- Red (0%)
- Yellow (47%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 64.359, 154.377 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, 64.359, 154.377 by changing the saturation by 10% instead.

 68, 64.359,
154.377


 68, 64.359,
154.377

 100, 64.359,
154.377


 58, 64.359,
154.377


 88, 64.359,
154.377

 48, 64.359,
154.377

 98, 64.359,
154.377

 38, 64.359,
154.377

 28, 64.359,
154.377

 18, 64.359,
154.377

 8, 64.359, 154.377

 0, 64.359, 154.377

■ 68, 64.359,
154.377

■ 68, 64.359,
154.377

■ 68, 64.457,
154.320

■ 68, 60.643,
156.586

■ 69, 56.298,
158.659

■ 69, 51.177,
160.523

■ 70, 45.291,
162.184

■ 71, 38.714,
163.659

■ 71, 31.558,
164.972

■ 73, 23.958,
166.150

■ 74, 16.046,

167.217

■ 75, 7.950, 168.206

Harmonies

Complementary

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



68, 64.359, 154.377



40, 67.822, 11.021

Rectangle

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



68, 64.359, 154.377



68, 64.359, 204.377



68, 64.359, 334.377



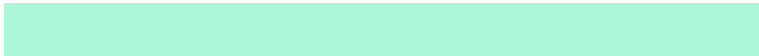
68, 64.359, 24.377

Sweetspot

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



68, 64.359, 154.377



92, 29.935, 166.066



68, 89.616, 130.541



49, 20.474, 165.574



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 64.359, 154.377



86, 79.218, 153.914



65, 36.249, 210.893



39, 4.605, 168.244



57, 55.922, 154.666



9, 15.514, 161.424

Inverse Universe

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



40, 67.822, 11.021



53, 82.939, 12.083



40, 82.413, 40.833



37, 4.690, 349.799



33, 59.209, 10.358



3, 13.328, 356.978

Previews

White Background



This preview shows how the CIELCh color 68, 64.359, 154.377 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, 64.359, 154.377 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, 64.359, 154.377

Background



This preview shows how black text looks on a background with the CIELCh color 68, 64.359, 154.377.

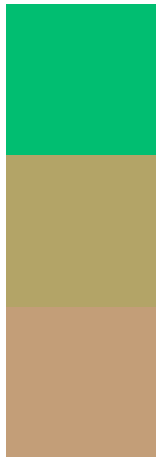


This preview shows how white text looks on a background with the CIELCh color 68, 64.359, 154.377.

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

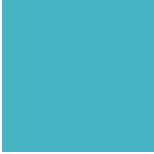
68, 64.359, 154.377

Protanopia

67, 33.745, 95.604

Deuteranopia

68, 26.424, 71.330



Tritanopia
68, 31.459, 212.538

Trichromacy



Original Color
68, 64.359, 154.377



Protanomaly
65, 42.819, 139.169



Deuteranomaly
65, 34.325, 139.024



Tritanomaly
68, 40.442, 181.092

Monochromacy



Original Color
68, 64.359, 154.377



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 29.859, 164.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 64.359, 154.377 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(1, 190, 113)` looks like.

```
.text, #text, p{  
    color:rgb(1, 190, 113)  
}
```

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(1, 190, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 190, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 64.359, 154.377 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(1, 190, 113) }
```

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

```
.border{ border-color:rgb(1, 190, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 190, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 190, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 190, 113);  
box-shadow:4px 4px 4px 4px rgb(1, 190,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 64.359, 154.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 190, 113) }
```

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

```
.background{ background-color: rgb(1, 190,  
113) }
```

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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