

Converting Colors

CIELCh(68, 63.319, 155.520)

Have a look what the booklet for
CIELCh(68, 63.319, 155.520)
contains.

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Color

CIELCh(68, 63.213, 155.397)

Conversions

Conversions Part 1

Format	Color
Hex	00BE74
RGB	0, 190, 116
RGB Percent	0%, 75%, 45%
CMY	1.0000, 0.2558, 0.5459
CMYK	1.00, 0.00, 0.39, 0.26
HSL	157°, 100%, 37%
HSV	157°, 100%, 74%
XYZ	21.4880, 37.9720, 22.6536
YIQ	124.7540, -89.4860, -63.2940

Conversions

Conversions Part 2

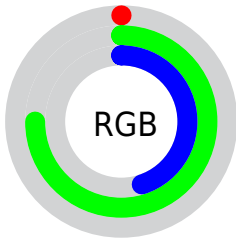
Format	Color
RYB	0, 118, 190
Decimal	48756
CIELab	68.00, -57.47, 26.32
CIELCh	68, 63.213, 155.397
Yxy	37.9720, 0.2617, 0.4624
Android (android.graphics.Color)	4278238836 (0xFF00BE74)
YUV	124.7540, -4.3157, -109.4093
Hunter-Lab	61.6215, -45.5929, 21.3385

Details

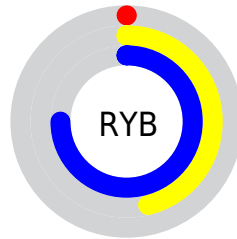
The CIELCh color **68, 63.213, 155.397** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **40, 68.062, 12.764**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 63.385, 155.483**, and **49, 54.994, 149.604** is the 20% darker color. If you saturate the color by 10%, you get **68, 63.180, 155.375**, and if you desaturate by 10%, it is **68, 59.607, 157.574**.

Distribution



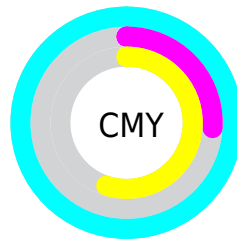
- Red (0%)
- Green (75%)
- Blue (45%)



- Red (0%)
- Yellow (46%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 63.213, 155.397 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, 63.213, 155.397 by changing the saturation by 10% instead.

 68, 63.213,
155.397


 68, 63.213,
155.397


 100, 63.213,
155.397


 58, 63.213,
155.397


 88, 63.213,
155.397

 48, 63.213,
155.397

 98, 63.213,
155.397

 38, 63.213,
155.397

 28, 63.213,
155.397

 18, 63.213,
155.397

 8, 63.213, 155.397

 0, 63.213, 155.397

■ 68, 63.213,
155.397

■ 68, 63.213,
155.397

■ 68, 63.180,
155.375

■ 68, 59.607,
157.574

■ 69, 55.422,
159.643

■ 69, 50.464,
161.503

■ 70, 44.740,
163.161

■ 70, 38.319,
164.635

■ 71, 31.311,
165.951

■ 73, 23.846,
167.133

■ 74, 16.058,

168.206

■ 75, 8.071, 169.203

Harmonies

Complementary

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



68, 63.213, 155.397



40, 68.062, 12.764

Rectangle

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



68, 63.213, 155.397



68, 63.213, 205.397



68, 63.213, 335.397



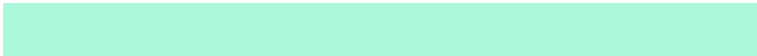
68, 63.213, 25.397

Sweetspot

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



68, 63.180, 155.375



92, 29.555, 167.078



68, 90.093, 130.996



49, 20.207, 166.586



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, 63.180, 155.375



86, 77.675, 154.969



64, 35.736, 214.230



39, 4.554, 169.267



57, 54.852, 155.719



9, 15.314, 162.339

Inverse Universe

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



40, 68.062, 12.764



53, 83.246, 13.725



40, 82.220, 41.152



37, 4.643, 350.836



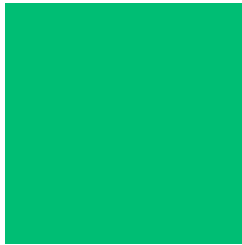
33, 59.363, 11.959



3, 13.238, 357.902

Previews

White Background



This preview shows how the CIELCh color 68, 63.213, 155.397 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, 63.213, 155.397 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, 63.213, 155.397

Background



This preview shows how black text looks on a background with the CIELCh color 68, 63.213, 155.397.

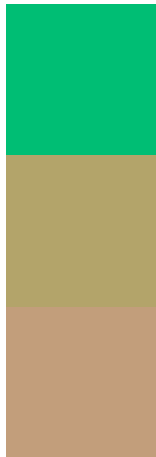


This preview shows how white text looks on a background with the CIELCh color 68, 63.213, 155.397.

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, 63.213, 155.397

Protanopia

67, 32.193, 95.282

Deuteranopia

68, 24.790, 70.161



Tritanopia
68, 31.616, 212.449

Trichromacy



Original Color
68, 63.213, 155.397



Protanomaly
65, 41.466, 140.341

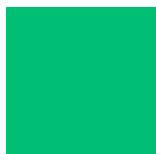


Deuteranomaly
65, 33.150, 140.991



Tritanomaly
68, 40.293, 181.860

Monochromacy



Original Color
68, 63.213, 155.397



Achromatopsia
52, 0.007, 296.813



Achromatomaly
57, 29.478, 165.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 63.213, 155.397 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(0, 190, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 116)  
}
```

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(0, 190, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 63.213, 155.397 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(0, 190, 116) }
```

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

```
.border{ border-color:rgb(0, 190, 116) }
```

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

Here you see how a box with a 4 pixel rgb(0, 190, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 63.213, 155.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 116) }
```

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

```
.background{ background-color: rgb(0, 190,  
116) }
```

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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