

Converting Colors

CIELCh(68, 62.559, 154.514)

Have a look what the booklet for
CIELCh(68, 62.559, 154.514)
contains.

CIELCh(68, 62.264, 154.722)	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, 62.264, 154.722)

Conversions

Conversions Part 1

Format	Color
Hex	17BD73
RGB	23, 189, 115
RGB Percent	9%, 74%, 45%
CMY	0.9101, 0.2574, 0.5478
CMYK	0.88, 0.00, 0.39, 0.26
HSL	153°, 78%, 42%
HSV	153°, 88%, 74%
XYZ	21.7370, 37.9720, 22.4991
YIQ	130.9300, -75.1820, -58.2060

Conversions

Conversions Part 2

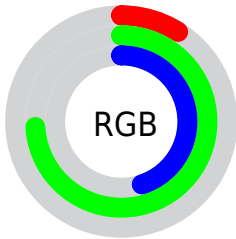
Format	Color
RYB	23, 130, 189
Decimal	1555827
CIELab	68.00, -56.30, 26.59
CIELCh	68, 62.264, 154.722
Yxy	37.9720, 0.2644, 0.4619
Android (android.graphics.Color)	4279745907 (0xFF17BD73)
YUV	130.9300, -7.8535, -94.6546
Hunter-Lab	61.6215, -44.8715, 21.4872

Details

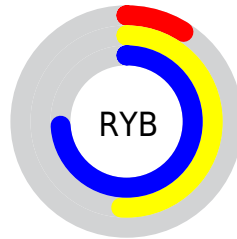
The CIELCh color **68, 62.264, 154.722** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **42, 65.120, 2.215**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 61.736, 154.851**, and **49, 54.888, 149.435** is the 20% darker color. If you saturate the color by 10%, you get **68, 66.343, 152.504**, and if you desaturate by 10%, it is **68, 57.479, 156.771**.

Distribution



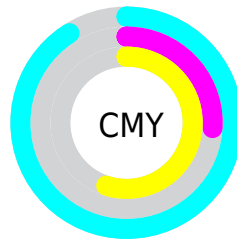
- Red (9%)
- Green (74%)
- Blue (45%)



- Red (9%)
- Yellow (51%)
- Blue (74%)



- Cyan (88%)
- Magenta (0%)
- Yellow (39%)
- Black (26%)




- Cyan (91%)
- Magenta (26%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 62.264, 154.722 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, 62.264, 154.722 by changing the saturation by 10% instead.

 68, 62.264,
154.722

 68, 62.264,
154.722


 100, 62.264,
154.722

 58, 62.264,
154.722


 88, 62.264,
154.722

 48, 62.264,
154.722

 98, 62.264,
154.722

 38, 62.264,
154.722

 28, 62.264,
154.722

 18, 62.264,
154.722

 8, 62.264, 154.722

 0, 62.264, 154.722

■ 68, 62.264,
154.722

■ 68, 62.264,
154.722

■ 68, 66.343,
152.504

■ 68, 57.479,
156.771

■ 68, 67.167,
152.051

■ 69, 51.909,
158.608

■ 70, 45.585,
160.241

■ 70, 38.598,
161.688

■ 71, 31.070,
162.973

■ 73, 23.139,
164.120

■ 74, 14.944,
165.156

■ 75, 6.607, 166.120

Harmonies

Complementary

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



68, 62.264, 154.722



42, 65.120, 2.215

Rectangle

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



68, 62.264, 154.722



68, 62.264, 204.722



68, 62.264, 334.722



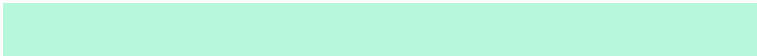
68, 62.264, 24.722

Sweetspot

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



68, 62.264, 154.722



93, 26.828, 164.279



69, 84.025, 128.532



49, 18.275, 163.896



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, 62.264, 154.722



86, 82.762, 151.639



67, 36.868, 203.860



39, 4.729, 165.981



57, 58.385, 152.393



9, 15.969, 159.483

Inverse Universe

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



42, 65.120, 2.215



53, 82.538, 8.293



41, 75.319, 37.635



37, 4.804, 347.498



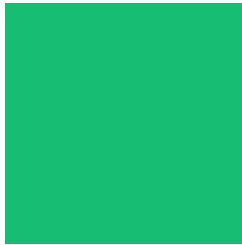
33, 59.061, 6.678



3, 13.557, 354.813

Previews

White Background



This preview shows how the CIE LCh color 68, 62.264, 154.722 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, 62.264, 154.722 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, 62.264, 154.722

Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.264, 154.722.

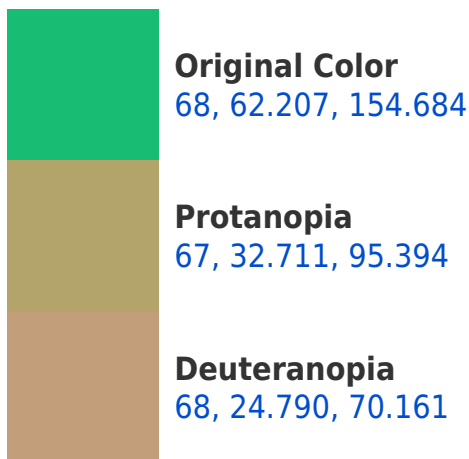


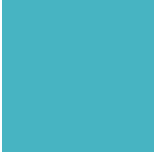
This preview shows how white text looks on a background with the CIELCh color 68, 62.264, 154.722.

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, 31.120, 211.652

Trichromacy



Original Color
68, 62.207, 154.684



Protanomaly
66, 40.311, 136.725



Deuteranomaly
65, 30.679, 136.030



Tritanomaly
68, 38.742, 181.374

Monochromacy



Original Color
68, 62.207, 154.684



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 27.133, 162.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 62.264, 154.722 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(23, 189, 115)` looks like.

```
.text, #text, p{  
    color:rgb(23, 189, 115)  
}
```

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(23, 189, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 189, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 62.264, 154.722 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(23, 189, 115) }
```

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

```
.border{ border-color:rgb(23, 189, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 189, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 189, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 189, 115);  
box-shadow:4px 4px 4px 4px rgb(23, 189,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 62.264, 154.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 189, 115) }
```

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

```
.background{ background-color: rgb(23, 189,  
115) }
```

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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