

Converting Colors

CIELCh(67, 68.800, 149.863)

Have a look what the booklet for
CIELCh(67, 68.800, 149.863)
contains.

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Color

CIELCh(67, 68.775, 149.788)

Conversions

Conversions Part 1

Format	Color
Hex	0EBB61
RGB	14, 187, 97
RGB Percent	5%, 73%, 38%
CMY	0.9445, 0.2655, 0.6185
CMYK	0.92, 0.00, 0.48, 0.27
HSL	149°, 86%, 40%
HSV	149°, 92%, 73%
XYZ	20.1883, 36.6320, 17.3824
YIQ	125.0130, -74.2180, -64.6660

Conversions

Conversions Part 2

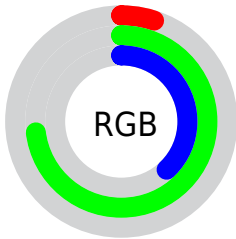
Format	Color
RYB	14, 131, 187
Decimal	965473
CIELab	67.00, -59.43, 34.61
CIELCh	67, 68.775, 149.788
Yxy	36.6320, 0.2721, 0.4937
Android (android.graphics.Color)	4279155553 (0xFF0EBB61)
YUV	125.0130, -13.8104, -97.3584
Hunter-Lab	60.5244, -46.3779, 25.3392

Details

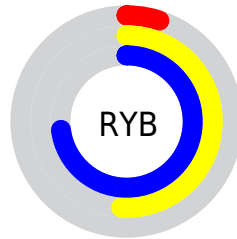
The CIELCh color **67, 68.775, 149.788** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **41, 66.602, 357.391**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 68.447, 149.762**, and **48, 61.083, 143.919** is the 20% darker color. If you saturate the color by 10%, you get **67, 72.101, 148.141**, and if you desaturate by 10%, it is **67, 63.830, 151.914**.

Distribution



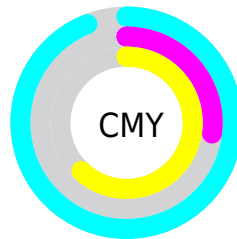
- Red (5%)
- Green (73%)
- Blue (38%)



- Red (5%)
- Yellow (51%)
- Blue (73%)



- Cyan (92%)
- Magenta (0%)
- Yellow (48%)
- Black (27%)



- Cyan (94%)
- Magenta (27%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 68.775, 149.788 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 67, 68.775, 149.788 by changing the saturation by 10% instead.

 67, 68.775,
149.788

 67, 68.775,
149.788

 100, 68.775,
149.788

 57, 68.775,
149.788

 87, 68.775,
149.788

 47, 68.775,
149.788

 97, 68.775,
149.788

 37, 68.775,
149.788

 27, 68.775,
149.788

 17, 68.775,
149.788

 7, 68.775, 149.788

 0, 68.775, 149.788

■ 67, 68.775,
149.788

■ 67, 68.775,
149.788

■ 67, 72.101,
148.141

■ 67, 63.830,
151.914

■ 68, 58.080,
153.843

■ 68, 51.540,
155.562

■ 69, 44.291,
157.081

■ 70, 36.458,
158.419

■ 71, 28.186,
159.601

■ 73, 19.621,
160.651

■ 74, 10.899,

161.597

■ 76, 2.135, 162.577

Harmonies

Complementary

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



67, 68.775, 149.788



41, 66.602, 357.391

Rectangle

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



67, 68.775, 149.788



67, 68.775, 199.788



67, 68.775, 329.788



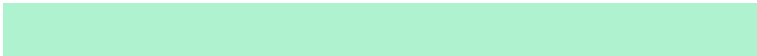
67, 68.775, 19.788

Sweetspot

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



67, 68.775, 149.788



90, 30.066, 160.035



69, 83.098, 126.135



48, 20.855, 159.563



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 68.775, 149.788



84, 88.183, 147.744



69, 40.245, 191.744



39, 4.990, 161.877



57, 63.182, 148.461



9, 16.836, 156.241

Inverse Universe

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



41, 66.602, 357.391



52, 81.689, 0.887



40, 77.355, 36.479



37, 5.048, 343.308



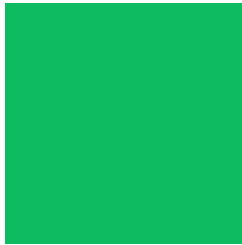
34, 59.591, 359.591



3, 14.109, 350.433

Previews

White Background



This preview shows how the CIELCh color 67, 68.775, 149.788 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 67, 68.775, 149.788 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 67, 68.775, 149.788

Background



This preview shows how black text looks on a background with the CIELCh color 67, 68.775, 149.788.



This preview shows how white text looks on a background with the CIELCh color 67, 68.775, 149.788.

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
67, 68.737, 149.761

Protanopia
67, 40.507, 95.884

Deuteranopia
66, 32.665, 75.770



Tritanopia
67, 30.350, 212.107

Trichromacy



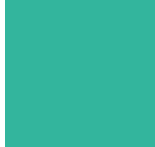
Original Color
67, 68.737, 149.761



Protanomaly
65, 48.111, 132.286



Deuteranomaly
64, 38.629, 130.194



Tritanomaly
67, 40.440, 176.909

Monochromacy



Original Color
67, 68.737, 149.761



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 30.295, 158.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 68.775, 149.788 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(14, 187, 97)` looks like.

```
.text, #text, p{  
    color:rgb(14, 187, 97)  
}
```

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(14, 187, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 187, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 68.775, 149.788 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(14, 187, 97) }
```

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

```
.border{ border-color:rgb(14, 187, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 187, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 187, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 187, 97);  
box-shadow:4px 4px 4px 4px rgb(14, 187,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 68.775, 149.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 187, 97) }
```

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

```
.background{ background-color: rgb(14, 187,  
97) }
```

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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