

Converting Colors

CIELCh(67, 67.228, 149.757)

Have a look what the booklet for
CIELCh(67, 67.228, 149.757)
contains.

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Color

CIELCh(67, 67.205, 149.798)

Conversions

Conversions Part 1

Format	Color
Hex	1CBB63
RGB	28, 187, 99
RGB Percent	11%, 73%, 39%
CMY	0.8912, 0.2671, 0.6122
CMYK	0.85, 0.00, 0.47, 0.27
HSL	147°, 74%, 42%
HSV	147°, 85%, 73%
XYZ	20.4637, 36.6320, 17.7698
YIQ	129.4270, -66.5160, -61.0760

Conversions

Conversions Part 2

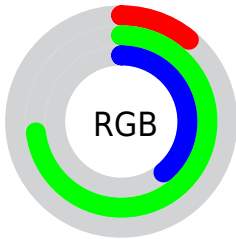
Format	Color
RYB	28, 138, 187
Decimal	1882979
CIELab	67.00, -58.08, 33.81
CIELCh	67, 67.205, 149.798
Yxy	36.6320, 0.2733, 0.4893
Android (android.graphics.Color)	4280073059 (0xFF1CBB63)
YUV	129.4270, -15.0005, -88.9515
Hunter-Lab	60.5244, -45.5654, 24.9597

Details

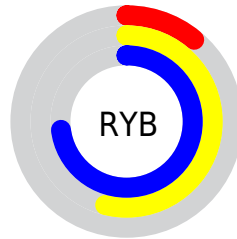
The CIELCh color $67, 67.205, 149.798$ is a dark color, and the websafe version is hex $33CC66$. A complement of this color would be $42, 65.829, 352.455$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $87, 67.027, 149.831$, and $48, 60.316, 144.489$ is the 20% darker color. If you saturate the color by 10%, you get $67, 72.133, 147.648$, and if you desaturate by 10%, it is $67, 61.454, 151.769$.

Distribution



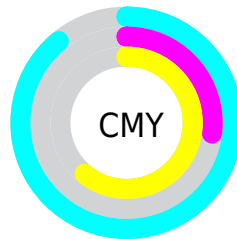
- Red (11%)
- Green (73%)
- Blue (39%)



- Red (11%)
- Yellow (54%)
- Blue (73%)



- Cyan (85%)
- Magenta (0%)
- Yellow (47%)
- Black (27%)





- Cyan (89%)
- Magenta (27%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 67.205, 149.798 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, 67.205, 149.798 by changing the saturation by 10% instead.

 67, 67.205,
149.798


 67, 67.205,
149.798

 100, 67.205,
149.798

 57, 67.205,
149.798


 87, 67.205,
149.798

 47, 67.205,
149.798

 97, 67.205,
149.798

 37, 67.205,
149.798

 27, 67.205,
149.798

 17, 67.205,
149.798

 7, 67.205, 149.798

 0, 67.205, 149.798

■ 67, 67.205,
149.798

■ 67, 67.205,
149.798

■ 67, 72.133,
147.648

■ 67, 61.454,
151.769

■ 67, 74.330,
146.621

■ 68, 54.884,
153.534

■ 69, 47.569,
155.096

■ 70, 39.632,
156.469

■ 71, 31.220,
157.677

■ 72, 22.487,
158.744

■ 73, 13.574,
159.695

■ 75, 4.606, 160.588

Harmonies

Complementary

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



67, 67.205, 149.798



42, 65.829, 352.455

Rectangle

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



67, 67.205, 149.798



67, 67.205, 199.798



67, 67.205, 329.798



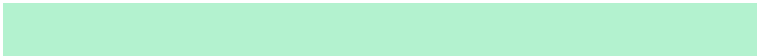
67, 67.205, 19.798

Sweetspot

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



67, 67.205, 149.798



91, 28.679, 158.616



69, 78.943, 124.313



48, 19.561, 158.254



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, 67.205, 149.798



84, 91.078, 146.226



69, 40.403, 187.893



39, 5.111, 160.210



57, 65.246, 146.932



9, 17.201, 155.022

Inverse Universe

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



42, 65.829, 352.455



53, 82.369, 357.768



40, 70.674, 31.673



37, 5.163, 341.600



34, 60.150, 356.596



3, 14.398, 348.478

Previews

White Background



This preview shows how the CIELCh color 67, 67.205, 149.798 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, 67.205, 149.798 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, 67.205, 149.798

Background



This preview shows how black text looks on a background with the CIELCh color 67, 67.205, 149.798.



This preview shows how white text looks on a background with the CIELCh color 67, 67.205, 149.798.

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](#).

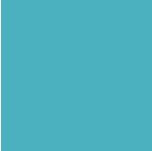
Dichromacy



Original Color
67, 67.205, 149.798

Protanopia
67, 39.506, 95.761

Deuteranopia
66, 31.718, 74.948



Tritanopia
67, 29.829, 212.410

Trichromacy



Original Color
67, 67.205, 149.798



Protanomaly
65, 46.314, 130.874



Deuteranomaly
65, 36.846, 128.173



Tritanomaly
67, 39.149, 177.217

Monochromacy



Original Color
67, 67.205, 149.798



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 28.595, 157.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 67.205, 149.798 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(28, 187, 99)` looks like.

```
.text, #text, p{  
    color:rgb(28, 187, 99)  
}
```

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(28, 187, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 187, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 67.205, 149.798 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(28, 187, 99) }
```

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

```
.border{ border-color:rgb(28, 187, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 187, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 187, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 187, 99);  
box-shadow:4px 4px 4px 4px rgb(28, 187,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 67.205, 149.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 187, 99) }
```

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

```
.background{ background-color: rgb(28, 187,  
99) }
```

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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