

Converting Colors

CIELCh(67, 55.070, 155.136)

Have a look what the booklet for
CIELCh(67, 55.070, 155.136)
contains.

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Color

CIELCh(67, 54.995, 155.083)

Conversions

Conversions Part 1

Format	Color
Hex	38B877
RGB	56, 184, 119
RGB Percent	22%, 72%, 47%
CMY	0.7821, 0.2767, 0.5318
CMYK	0.70, 0.00, 0.35, 0.28
HSL	150°, 54%, 47%
HSV	150°, 70%, 72%
XYZ	22.1914, 36.6320, 23.4798
YIQ	138.3180, -55.4230, -47.3510

Conversions

Conversions Part 2

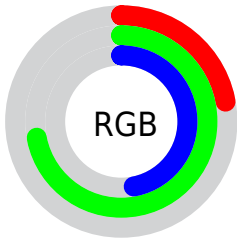
Format	Color
RYB	56, 142, 184
Decimal	3717239
CIELab	67.00, -49.88, 23.17
CIELCh	67, 54.995, 155.083
Yxy	36.6320, 0.2696, 0.4451
Android (android.graphics.Color)	4281907319 (0xFF38B877)
YUV	138.3180, -9.5238, -72.1929
Hunter-Lab	60.5244, -40.4703, 19.3661

Details

The CIELCh color **67, 54.995, 155.083** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **45, 57.486, 352.218**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 54.651, 155.036**, and **48, 51.112, 151.902** is the 20% darker color. If you saturate the color by 10%, you get **67, 60.772, 153.209**, and if you desaturate by 10%, it is **68, 48.462, 156.749**.

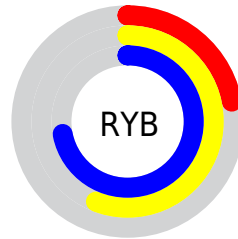
Distribution



Red (22%)

Green (72%)

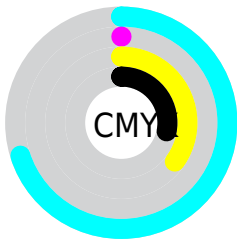
Blue (47%)



Red (22%)

Yellow (56%)

Blue (72%)

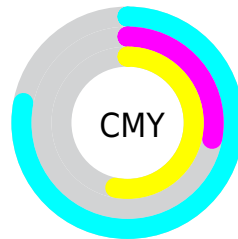


Cyan (70%)

Magenta (0%)

Yellow (35%)

Black (28%)



Cyan (78%)


Magenta (28%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 54.995, 155.083 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, 54.995, 155.083 by changing the saturation by 10% instead.

 67, 54.995,
155.083

 67, 54.995,
155.083

 100, 54.995,
155.083

 57, 54.995,
155.083

 87, 54.995,
155.083

 47, 54.995,
155.083

 97, 54.995,
155.083

 37, 54.995,
155.083

 27, 54.995,
155.083

 17, 54.995,
155.083

 7, 54.995, 155.083

 0, 54.995, 155.083

■ 67, 54.995,
155.083

■ 67, 54.995,
155.083

■ 67, 60.772,
153.209

■ 68, 48.462,
156.749

■ 66, 65.759,
151.129

■ 68, 41.259,
158.220

■ 66, 70.090,
148.941

■ 69, 33.515,
159.518

■ 66, 70.143,
148.915

■ 71, 25.373,
160.668

■ 72, 16.972,
161.695

■ 73, 8.441, 162.630

■ 75, 0.113, 340.051

■ 77, 8.604, 344.116

■ 79, 16.967,
344.825

Harmonies

Complementary

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



67, 54.995, 155.083



45, 57.486, 352.218

Rectangle

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



67, 54.995, 155.083



67, 54.995, 205.083



67, 54.995, 335.083



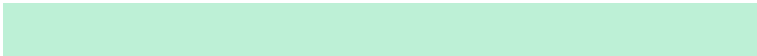
67, 54.995, 25.083

Sweetspot

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



67, 54.996, 155.083



91, 22.177, 161.550



69, 69.329, 125.717



48, 14.983, 161.276



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 54.996, 155.083



84, 77.435, 152.086



69, 35.531, 194.720



38, 4.824, 162.680



56, 61.434, 149.242



8, 14.484, 157.432

Inverse Universe

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



45, 57.486, 352.218



54, 77.975, 356.282



43, 59.144, 29.136



36, 4.884, 344.123



33, 58.700, 0.946



3, 12.240, 350.523

Previews

White Background



This preview shows how the CIELCh color 67, 54.995, 155.083 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, 54.995, 155.083 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, 54.995, 155.083

Background



This preview shows how black text looks on a background with the CIELCh color 67, 54.995, 155.083.

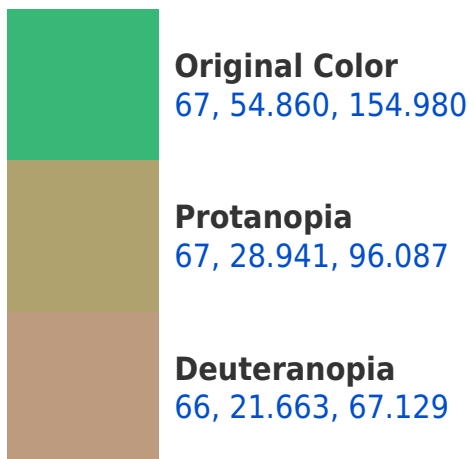


This preview shows how white text looks on a background with the CIELCh color 67, 54.995, 155.083.

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
67, 28.128, 213.480

Trichromacy



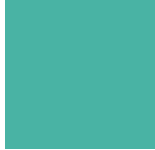
Original Color
67, 54.860, 154.980



Protanomaly
66, 34.669, 133.108



Deuteranomaly
65, 25.352, 131.999



Tritanomaly
67, 34.057, 182.450

Monochromacy



Original Color
67, 54.860, 154.980



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 22.454, 160.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 54.995, 155.083 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(56, 184, 119)` looks like.

```
.text, #text, p{  
    color:rgb(56, 184, 119)  
}
```

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(56, 184, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 184, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 54.995, 155.083 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(56, 184, 119) }
```

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

```
.border{ border-color:rgb(56, 184, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 184, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 184, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 184, 119);  
box-shadow:4px 4px 4px 4px rgb(56, 184,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 54.995, 155.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 184, 119) }
```

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

```
.background{ background-color: rgb(56, 184,  
119) }
```

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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