

Converting Colors

CIELCh(67, 31.855, 196.256)

Have a look what the booklet for
CIELCh(67, 31.855, 196.256)
contains.

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Color

CIELCh(67, 31.995, 195.864)

Conversions

Conversions Part 1

Format	Color
Hex	46B3B2
RGB	70, 179, 178
RGB Percent	27%, 70%, 70%
CMY	0.7267, 0.2990, 0.3030
CMYK	0.61, 0.00, 0.01, 0.30
HSL	179°, 44%, 49%
HSV	179°, 61%, 70%
XYZ	26.5828, 36.6320, 47.6551
YIQ	146.2950, -64.6430, -23.4190

Conversions

Conversions Part 2

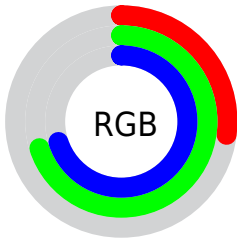
Format	Color
RYB	70, 125, 179
Decimal	4633522
CIELab	67.00, -30.78, -8.75
CIElCh	67, 31.995, 195.864
Yxy	36.6320, 0.2398, 0.3304
Android (android.graphics.Color)	4282823602 (0xFF46B3B2)
YUV	146.2950, 15.6306, -66.9107
Hunter-Lab	60.5244, -27.5189, -4.3162

Details

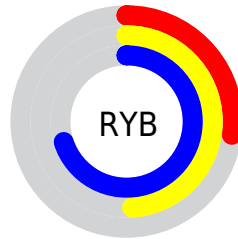
The CIELCh color **67, 31.995, 195.864** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **45, 49.870, 26.960**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 31.950, 196.376**, and **47, 29.890, 195.214** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.813, 195.575**, and if you desaturate by 10%, it is **68, 28.367, 196.202**.

Distribution



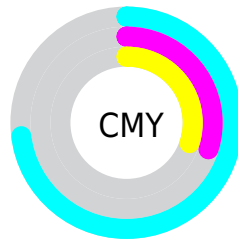
- Red (27%)
- Green (70%)
- Blue (70%)



- Red (27%)
- Yellow (49%)
- Blue (70%)



- Cyan (61%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)




- Cyan (73%)
- Magenta (30%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 31.995, 195.864 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, 31.995, 195.864 by changing the saturation by 10% instead.


 67, 31.995,
195.864

 67, 31.995,
195.864


 100, 31.995,
195.864


 57, 31.995,
195.864


 87, 31.995,
195.864

 47, 31.995,
195.864

 97, 31.995,
195.864

 37, 31.995,
195.864

 27, 31.995,
195.864

 17, 31.995,
195.864

 7, 31.995, 195.864

 0, 31.995, 195.864

67, 31.995,
195.864

67, 31.995,
195.864

67, 34.813,
195.575

68, 28.367,
196.202

66, 36.812,
195.338

68, 23.980,
196.595

66, 38.031,
195.143

69, 18.915,
197.041

66, 38.642,
194.994

70, 13.272,
197.538

71, 7.154, 198.096

73, 0.667, 199.344

74, 6.095, 19.088

76, 13.048, 19.739

77, 20.123, 20.373

Harmonies

Complementary

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



67, 31.995, 195.864



45, 49.870, 26.960

Rectangle

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



67, 31.995, 195.864



67, 31.995, 245.864



67, 31.995, 15.864



67, 31.995, 65.864

Sweetspot

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



67, 31.995, 195.862



89, 14.179, 197.681



65, 69.455, 138.910



47, 9.844, 197.528



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 31.995, 195.862



84, 43.216, 195.493



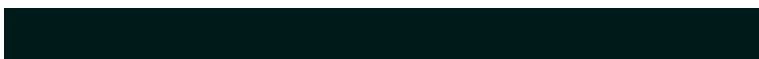
51, 33.485, 266.199



37, 3.693, 198.201



57, 34.452, 195.011



7, 9.147, 197.997

Inverse Universe

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



45, 49.870, 26.960



53, 75.004, 31.040



56, 40.728, 66.201



35, 3.910, 19.170



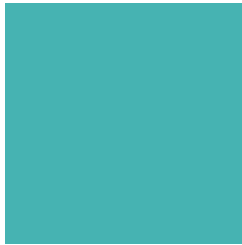
31, 70.587, 39.162



2, 9.157, 18.816

Previews

White Background



This preview shows how the CIE LCh color 67, 31.995, 195.864 looks on a white background.

Color Contrast Check

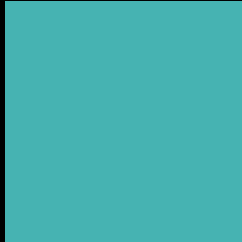
Large Text (above 18pt) WCAG AA × Fail

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, 31.995, 195.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

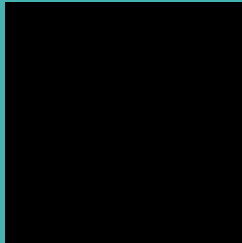
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 31.995, 195.864

Background



This preview shows how black text looks on a background with the CIELCh color 67, 31.995, 195.864.

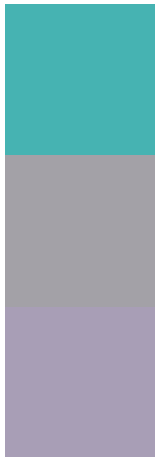


This preview shows how white text looks on a background with the CIELCh color 67, 31.995, 195.864.

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, 31.995, 195.864

Protanopia

67, 3.420, 303.223

Deuteranopia

67, 13.842, 306.757



Tritanopia
67, 29.651, 212.515

Trichromacy



Original Color
67, 31.995, 195.864



Protanomaly
66, 13.473, 207.857



Deuteranomaly
66, 13.824, 232.923

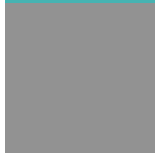


Tritanomaly
67, 30.275, 205.567

Monochromacy



Original Color
67, 31.995, 195.864



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 14.249, 198.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 31.995, 195.864 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(70, 179, 178)` looks like.

```
.text, #text, p{  
    color:rgb(70, 179, 178)  
}
```

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(70, 179, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 179, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 31.995, 195.864 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(70, 179, 178) }
```

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

```
.border{ border-color:rgb(70, 179, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 179, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 179, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 179, 178);  
box-shadow:4px 4px 4px 4px rgb(70, 179,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 31.995, 195.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 179, 178) }
```

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

```
.background{ background-color: rgb(70, 179,  
178) }
```

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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