

Converting Colors

CIELCh(67, 46.057, 159.209)

Have a look what the booklet for
CIELCh(67, 46.057, 159.209)
contains.

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Color

CIELCh(67, 46.013, 159.185)

Conversions

Conversions Part 1

Format	Color
Hex	49B684
RGB	73, 182, 132
RGB Percent	29%, 71%, 52%
CMY	0.7129, 0.2855, 0.4816
CMYK	0.60, 0.00, 0.27, 0.29
HSL	152°, 43%, 50%
HSV	152°, 60%, 71%
XYZ	23.7094, 36.6320, 27.7167
YIQ	143.7090, -48.9140, -38.6580

Conversions

Conversions Part 2

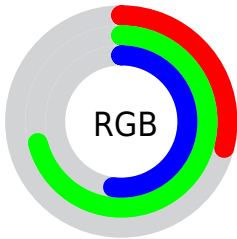
Format	Color
RYB	73, 144, 182
Decimal	4830852
CIELab	67.00, -43.01, 16.35
CIELCh	67, 46.013, 159.185
Yxy	36.6320, 0.2692, 0.4160
Android (android.graphics.Color)	4283020932 (0xFF49B684)
YUV	143.7090, -5.7725, -62.0118
Hunter-Lab	60.5244, -35.9932, 15.2156

Details

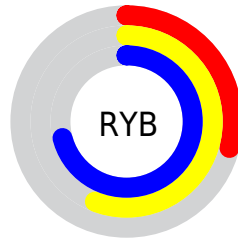
The CIELCh color **67, 46.013, 159.185** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **47, 49.521, 353.271**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.285, 158.990**, and **47, 45.001, 158.217** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.132, 157.520**, and if you desaturate by 10%, it is **68, 39.236, 160.658**.

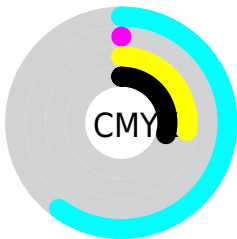
Distribution



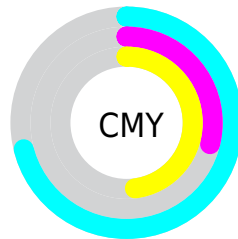
- Red (29%)
- Green (71%)
- Blue (52%)



- Red (29%)
- Yellow (56%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)




- Cyan (71%)
- Magenta (29%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.013, 159.185 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, 46.013, 159.185 by changing the saturation by 10% instead.

 67, 46.013,
159.185


 67, 46.013,
159.185


 100, 46.013,
159.185

 57, 46.013,
159.185

 87, 46.013,
159.185

 47, 46.013,
159.185

 97, 46.013,
159.185

 37, 46.013,
159.185

 27, 46.013,
159.185

 17, 46.013,
159.185

 7, 46.013, 159.185

 0, 46.013, 159.185

■ 67, 46.013,
159.185

■ 67, 46.013,
159.185

■ 66, 52.132,
157.520

■ 68, 39.236,
160.658

■ 66, 57.510,
155.649

■ 69, 31.917,
161.965

■ 66, 62.128,
153.569

■ 70, 24.190,
163.129

■ 65, 66.127,
151.370

■ 71, 16.189,
164.175

■ 65, 66.200,
151.331

■ 73, 8.039, 165.136

■ 74, 0.158, 343.447

■ 76, 8.314, 346.673

■ 78, 16.366,
347.418

■ 80, 24.267,
348.097

Harmonies

Complementary

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



67, 46.013, 159.185



47, 49.521, 353.271

Rectangle

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



67, 46.013, 159.185



67, 46.013, 209.185



67, 46.013, 339.185



67, 46.013, 29.185

Sweetspot

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



67, 46.014, 159.184



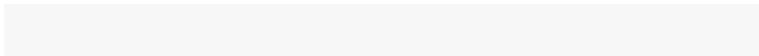
90, 18.232, 164.324



68, 61.155, 127.609



48, 12.754, 164.035



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, 46.014, 159.184



84, 65.846, 156.908



67, 30.815, 200.764



38, 4.669, 165.180



56, 58.548, 151.638



8, 14.045, 159.404

Inverse Universe

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



47, 49.521, 353.271



56, 70.333, 356.303



47, 48.629, 29.133



36, 4.739, 346.676



33, 58.379, 5.260



2, 11.943, 353.132

Previews

White Background



This preview shows how the CIELCh color 67, 46.013, 159.185 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 CIE LCh color 67, 46.013, 159.185 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, 46.013, 159.185

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.013, 159.185.

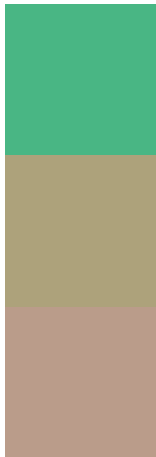


This preview shows how white text looks on a background with the CIELCh color 67, 46.013, 159.185.

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, 46.013, 159.185

Protanopia
67, 21.879, 95.792

Deuteranopia
67, 15.912, 58.473



Tritanopia
67, 26.054, 214.957

Trichromacy



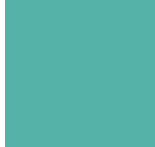
Original Color
67, 46.013, 159.185



Protanomaly
66, 26.840, 135.907



Deuteranomaly
66, 18.527, 134.942



Tritanomaly
67, 30.233, 186.330

Monochromacy



Original Color
67, 46.013, 159.185



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 18.235, 164.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.013, 159.185 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(73, 182, 132)` looks like.

```
.text, #text, p{  
    color:rgb(73, 182, 132)  
}
```

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(73, 182, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 182, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.013, 159.185 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(73, 182, 132) }
```

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

```
.border{ border-color:rgb(73, 182, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 182, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 182, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 182, 132);  
box-shadow:4px 4px 4px 4px rgb(73, 182,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.013, 159.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 182, 132) }
```

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

```
.background{ background-color: rgb(73, 182,  
132) }
```

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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