

Converting Colors

CIELCh(67, 46.118, 156.656)

Have a look what the booklet for
CIELCh(67, 46.118, 156.656)
contains.

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Color

CIELCh(67, 46.073, 156.759)

Conversions

Conversions Part 1

Format	Color
Hex	4FB681
RGB	79, 182, 129
RGB Percent	31%, 71%, 51%
CMY	0.6908, 0.2868, 0.4947
CMYK	0.57, 0.00, 0.29, 0.29
HSL	149°, 41%, 51%
HSV	149°, 57%, 71%
XYZ	23.8624, 36.6320, 26.5337
YIQ	145.1610, -44.3750, -38.3190

Conversions

Conversions Part 2

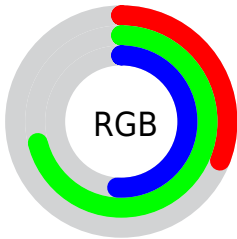
Format	Color
RYB	79, 148, 182
Decimal	5224065
CIELab	67.00, -42.33, 18.18
CIELCh	67, 46.073, 156.759
Yxy	36.6320, 0.2742, 0.4209
Android (android.graphics.Color)	4283414145 (0xFF4FB681)
YUV	145.1610, -7.9674, -58.0232
Hunter-Lab	60.5244, -35.5421, 16.3745

Details

The CIELCh color **67, 46.073, 156.759** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **48, 48.422, 349.077**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.302, 156.623**, and **47, 46.196, 156.601** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.839, 155.162**, and if you desaturate by 10%, it is **68, 38.686, 158.166**.

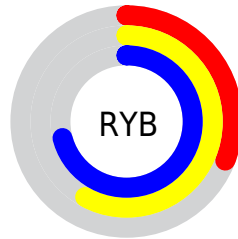
Distribution



Red (31%)

Green (71%)

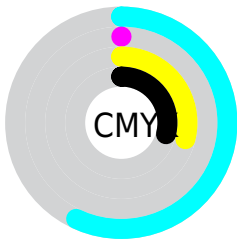
Blue (51%)



Red (31%)

Yellow (58%)

Blue (71%)

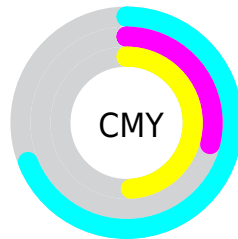


Cyan (57%)

Magenta (0%)

Yellow (29%)

Black (29%)



Cyan (69%)


Magenta (29%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 46.073, 156.759 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, 46.073, 156.759 by changing the saturation by 10% instead.


 67, 46.073,
156.759


 67, 46.073,
156.759


 100, 46.073,
156.759


 57, 46.073,
156.759


 87, 46.073,
156.759

 47, 46.073,
156.759

 97, 46.073,
156.759

 37, 46.073,
156.759

 27, 46.073,
156.759

 17, 46.073,
156.759

 7, 46.073, 156.759

 0, 46.073, 156.759

67, 46.073,
156.759

67, 46.073,
156.759

66, 52.839,
155.162

68, 38.686,
158.166

66, 58.877,
153.361

69, 30.811,
159.409

65, 64.134,
151.353

70, 22.591,
160.510

65, 68.641,
149.170

71, 14.164,
161.496

65, 70.070,
148.459

73, 5.648, 162.412

75, 2.855, 343.006

76, 11.268,
343.825

78, 19.533,
344.501

■ 80, 27.611,
345.118

Harmonies

Complementary

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



67, 46.073, 156.759



48, 48.422, 349.077

Rectangle

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



67, 46.073, 156.759



67, 46.073, 206.759



67, 46.073, 336.759



67, 46.073, 26.759

Sweetspot

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



67, 46.074, 156.759



91, 17.950, 161.436



69, 57.368, 125.948



48, 12.098, 161.245



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, 46.074, 156.759



84, 66.406, 154.730



68, 31.027, 195.198



38, 4.859, 162.165



56, 62.047, 148.760



8, 14.576, 157.041

Inverse Universe

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



48, 48.422, 349.077



58, 69.157, 351.375



47, 46.412, 25.337



36, 4.916, 343.597



33, 58.818, 0.038



3, 12.310, 349.960

Previews

White Background



This preview shows how the CIELCh color 67, 46.073, 156.759 looks on a white background.

Color Contrast Check

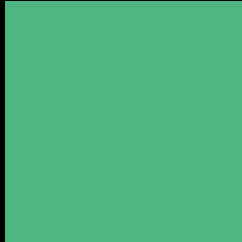
Large Text (above 18pt) WCAG AA × Fail

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, 46.073, 156.759 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, 46.073, 156.759

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.073, 156.759.



This preview shows how white text looks on a background with the CIELCh color 67, 46.073, 156.759.

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, 46.073, 156.759

Protanopia
67, 23.567, 95.385

Deuteranopia
67, 17.389, 61.539



Tritanopia
67, 24.718, 216.039

Trichromacy



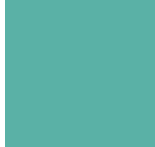
Original Color
67, 46.073, 156.759



Protanomaly
66, 27.933, 132.975



Deuteranomaly
66, 18.893, 129.307



Tritanomaly
67, 29.053, 184.854

Monochromacy



Original Color
67, 46.073, 156.759



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 17.725, 160.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.073, 156.759 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(79, 182, 129)` looks like.

```
.text, #text, p{  
    color:rgb(79, 182, 129)  
}
```

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(79, 182, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 182, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.073, 156.759 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(79, 182, 129) }
```

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

```
.border{ border-color:rgb(79, 182, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 182, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 182, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 182, 129);  
box-shadow:4px 4px 4px 4px rgb(79, 182,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.073, 156.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 182, 129) }
```

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

```
.background{ background-color: rgb(79, 182,  
129) }
```

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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