

Converting Colors

CIELCh(67, 49.771, 140.406)

Have a look what the booklet for
CIELCh(67, 49.771, 140.406)
contains.

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Color

CIELCh(67, 49.780, 140.372)

Conversions

Conversions Part 1

Format	Color
Hex	6BB468
RGB	107, 180, 104
RGB Percent	42%, 71%, 41%
CMY	0.5815, 0.2952, 0.5932
CMYK	0.41, 0.00, 0.42, 0.30
HSL	118°, 34%, 56%
HSV	118°, 42%, 70%
XYZ	24.7803, 36.6320, 18.7925
YIQ	149.5090, -19.1120, -39.1120

Conversions

Conversions Part 2

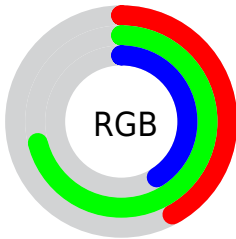
Format	Color
RYB	104, 180, 177
Decimal	7058536
CIELab	67.00, -38.34, 31.75
CIELCh	67, 49.780, 140.372
Yxy	36.6320, 0.3090, 0.4567
Android (android.graphics.Color)	4285248616 (0xFF6BB468)
YUV	149.5090, -22.4359, -37.2804
Hunter-Lab	60.5244, -32.8349, 23.9578

Details

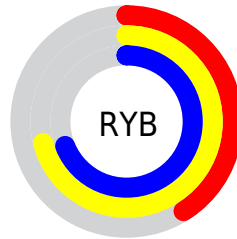
The CIELCh color **67, 49.780, 140.372** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **55, 49.814, 325.504**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 49.556, 140.212**, and **47, 50.127, 140.350** is the 20% darker color. If you saturate the color by 10%, you get **66, 60.665, 139.401**, and if you desaturate by 10%, it is **68, 38.282, 141.256**.

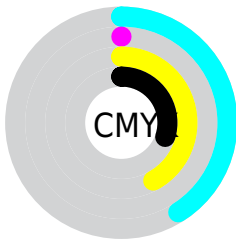
Distribution



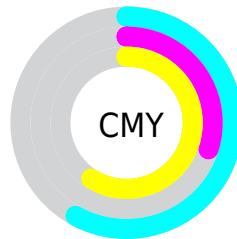
- Red (42%)
- Green (71%)
- Blue (41%)



- Red (41%)
- Yellow (71%)
- Blue (69%)



- Cyan (41%)
- Magenta (0%)
- Yellow (42%)
- Black (30%)



- Cyan (58%)
- Magenta (30%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 49.780, 140.372 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, 49.780, 140.372 by changing the saturation by 10% instead.

 67, 49.780,
140.372

 67, 49.780,
140.372


 100, 49.780,
140.372


 57, 49.780,
140.372


 87, 49.780,
140.372

 47, 49.780,
140.372

 97, 49.780,
140.372

 37, 49.780,
140.372

 27, 49.780,
140.372

 17, 49.780,
140.372

 7, 49.780, 140.372

 0, 49.780, 140.372

■ 67, 49.780,
140.372

■ 67, 49.780,
140.372

■ 66, 60.665,
139.401

■ 68, 38.282,
141.256

■ 65, 70.571,
138.387

■ 70, 26.457,
142.036

■ 65, 79.058,
137.415

■ 71, 14.531,
142.715

■ 64, 85.645,
136.613

■ 73, 2.669, 143.360

■ 64, 89.931,
136.111

■ 75, 9.009, 323.736

■ 64, 91.902,
135.848

■ 77, 20.423,
324.164

■ 79, 31.523,
324.519

■ 81, 42.280,
324.818

■ 82, 47.138,
326.055

Harmonies

Complementary

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



67, 49.780, 140.372



55, 49.814, 325.504

Rectangle

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



67, 49.780, 140.372



67, 49.780, 190.372



67, 49.780, 320.372



67, 49.780, 10.372

Sweetspot

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



67, 49.781, 140.372



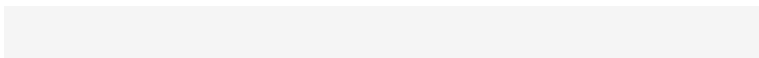
90, 19.119, 142.655



71, 38.495, 103.879



47, 13.381, 142.513



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, 49.781, 140.372



84, 73.552, 139.441



67, 36.004, 156.985



37, 6.654, 142.900



55, 81.573, 135.812



7, 16.102, 143.635

Inverse Universe

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



55, 49.814, 325.504



66, 73.397, 325.909



54, 37.332, 344.988



35, 6.669, 323.851



35, 79.077, 326.712



2, 15.954, 322.832

Previews

White Background



This preview shows how the CIELCh color 67, 49.780, 140.372 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, 49.780, 140.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

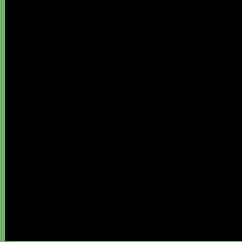
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 49.780, 140.372

Background



This preview shows how black text looks on a background with the CIELCh color 67, 49.780, 140.372.



This preview shows how white text looks on a background with the CIELCh color 67, 49.780, 140.372.

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, 49.780, 140.372

Protanopia
67, 35.868, 95.910

Deuteranopia
67, 30.776, 74.066



Tritanopia
67, 17.519, 224.650

Trichromacy



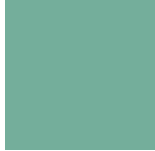
Original Color
67, 49.780, 140.372



Protanomaly
66, 37.832, 117.234



Deuteranomaly
66, 30.980, 108.454



Tritanomaly
67, 23.447, 170.782

Monochromacy



Original Color
67, 49.780, 140.372



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 18.219, 142.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 49.780, 140.372 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(107, 180, 104)` looks like.

```
.text, #text, p{  
    color:rgb(107, 180, 104)  
}
```

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(107, 180, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 180, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 49.780, 140.372 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(107, 180, 104) }
```

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

```
.border{ border-color:rgb(107, 180, 104) }
```

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

Here you see how a box with a 4 pixel rgb(107, 180, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 180, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 180, 104);  
box-shadow:4px 4px 4px 4px rgb(107, 180,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 49.780, 140.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 180, 104) }
```

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

```
.background{ background-color: rgb(107,  
180, 104) }
```

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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