

Converting Colors

CIELCh(67, 52.237, 150.668)

Have a look what the booklet for
CIELCh(67, 52.237, 150.668)
contains.

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Color

CIELCh(67, 52.450, 150.648)

Conversions

Conversions Part 1

Format	Color
Hex	4EB773
RGB	78, 183, 115
RGB Percent	31%, 72%, 45%
CMY	0.6949, 0.2831, 0.5497
CMYK	0.57, 0.00, 0.37, 0.28
HSL	141°, 42%, 51%
HSV	141°, 57%, 72%
XYZ	23.1029, 36.6320, 22.0194
YIQ	143.8530, -40.7520, -43.4080

Conversions

Conversions Part 2

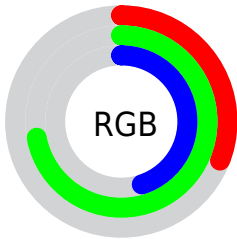
Format	Color
RYB	78, 156, 183
Decimal	5158771
CIELab	67.00, -45.72, 25.71
CIElCh	67, 52.450, 150.648
Yxy	36.6320, 0.2826, 0.4481
Android (android.graphics.Color)	4283348851 (0xFF4EB773)
YUV	143.8530, -14.2245, -57.7531
Hunter-Lab	60.5244, -37.7818, 20.7967

Details

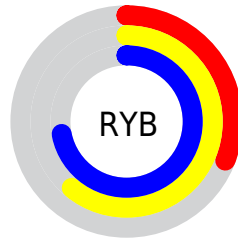
The CIELCh color **67, 52.450, 150.648** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **49, 53.046, 341.525**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 52.836, 150.488**, and **47, 52.267, 150.493** is the 20% darker color. If you saturate the color by 10%, you get **66, 60.174, 149.090**, and if you desaturate by 10%, it is **68, 44.054, 152.017**.

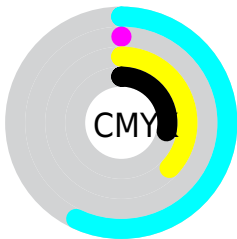
Distribution



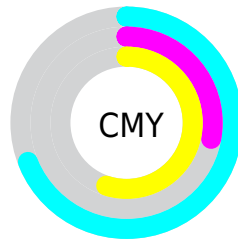
- Red (31%)
- Green (72%)
- Blue (45%)



- Red (31%)
- Yellow (61%)
- Blue (72%)



- Cyan (57%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)



- Cyan (69%)
- Magenta (28%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 52.450, 150.648 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, 52.450, 150.648 by changing the saturation by 10% instead.

 67, 52.450,
150.648

 67, 52.450,
150.648

 100, 52.450,
150.648

 57, 52.450,
150.648

 87, 52.450,
150.648

 47, 52.450,
150.648

 97, 52.450,
150.648

 37, 52.450,
150.648

 27, 52.450,
150.648

 17, 52.450,
150.648

 7, 52.450, 150.648

 0, 52.450, 150.648

67, 52.450,
150.648

67, 52.450,
150.648

66, 60.174,
149.090

68, 44.054,
152.017

66, 67.083,
147.338

69, 35.149,
153.214

65, 73.081,
145.411

70, 25.906,
154.260

65, 78.163,
143.379

72, 16.482,
155.178

65, 79.368,
142.892

73, 7.010, 156.006

75, 2.401, 336.528

77, 11.669,
337.269

79, 20.737,
337.847

■ 81, 29.564,
338.363

Harmonies

Complementary

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



67, 52.450, 150.648



49, 53.046, 341.525

Rectangle

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



67, 52.450, 150.648



67, 52.450, 200.648



67, 52.450, 330.648



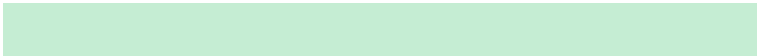
67, 52.450, 20.648

Sweetspot

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



67, 52.451, 150.648



90, 19.844, 155.192



70, 56.410, 120.791



48, 13.383, 155.018



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, 52.451, 150.648



84, 75.503, 148.635



68, 34.101, 181.846



38, 5.359, 155.852



56, 69.995, 143.177



8, 15.756, 152.638

Inverse Universe

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



49, 53.046, 341.525



58, 74.874, 343.165



47, 45.656, 15.712



36, 5.393, 337.122



34, 62.007, 348.575



3, 13.477, 342.292

Previews

White Background



This preview shows how the CIELCh color 67, 52.450, 150.648 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, 52.450, 150.648 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, 52.450, 150.648

Background



This preview shows how black text looks on a background with the CIELCh color 67, 52.450, 150.648.



This preview shows how white text looks on a background with the CIELCh color 67, 52.450, 150.648.

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, 52.450, 150.648

Protanopia

67, 31.124, 95.766

Deuteranopia

66, 24.445, 69.408



Tritanopia
67, 24.491, 216.231

Trichromacy



Original Color
67, 52.450, 150.648



Protanomaly
66, 35.300, 127.121



Deuteranomaly
66, 25.906, 121.251



Tritanomaly
67, 29.967, 179.671

Monochromacy



Original Color
67, 52.450, 150.648



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 20.337, 154.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 52.450, 150.648 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(78, 183, 115)` looks like.

```
.text, #text, p{  
    color:rgb(78, 183, 115)  
}
```

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(78, 183, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 183, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 52.450, 150.648 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(78, 183, 115) }
```

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

```
.border{ border-color:rgb(78, 183, 115) }
```

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

Here you see how a box with a 4 pixel rgb(78, 183, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 183, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 183, 115);  
box-shadow:4px 4px 4px 4px rgb(78, 183,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 52.450, 150.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 183, 115) }
```

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

```
.background{ background-color: rgb(78, 183,  
115) }
```

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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