

Converting Colors

CIELCh(67, 45.075, 141.202)

Have a look what the booklet for
CIELCh(67, 45.075, 141.202)
contains.

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Color

CIELCh(67, 45.102, 141.320)

Conversions

Conversions Part 1

Format	Color
Hex	70B36F
RGB	112, 179, 111
RGB Percent	44%, 70%, 44%
CMY	0.5624, 0.2997, 0.5662
CMYK	0.38, 0.00, 0.38, 0.30
HSL	119°, 31%, 57%
HSV	119°, 38%, 70%
XYZ	25.5164, 36.6320, 20.6544
YIQ	151.2150, -18.1040, -35.3520

Conversions

Conversions Part 2

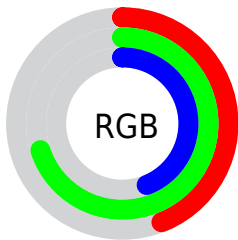
Format	Color
RYB	111, 179, 178
Decimal	7385967
CIELab	67.00, -35.21, 28.19
CIELCh	67, 45.102, 141.320
Yxy	36.6320, 0.3082, 0.4424
Android (android.graphics.Color)	4285576047 (0xFF70B36F)
YUV	151.2150, -19.8260, -34.3916
Hunter-Lab	60.5244, -30.6641, 22.1339

Details

The CIELCh color **67, 45.102, 141.320** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **56, 45.082, 326.036**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 45.174, 141.289**, and **47, 45.401, 141.380** is the 20% darker color. If you saturate the color by 10%, you get **66, 56.284, 140.334**, and if you desaturate by 10%, it is **68, 33.417, 142.199**.

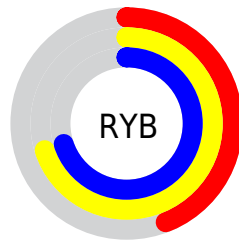
Distribution



Red (44%)

Green (70%)

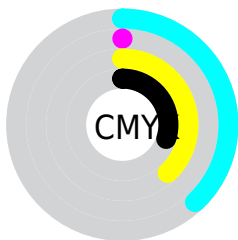
Blue (44%)



Red (44%)

Yellow (70%)

Blue (70%)

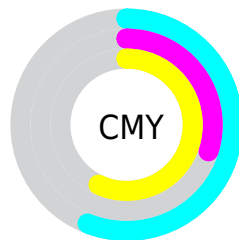


Cyan (38%)

Magenta (0%)

Yellow (38%)

Black (30%)



Cyan (56%)


Magenta (30%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 45.102, 141.320 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, 45.102, 141.320 by changing the saturation by 10% instead.


 67, 45.102,
141.320


 67, 45.102,
141.320


 100, 45.102,
141.320


 57, 45.102,
141.320


 87, 45.102,
141.320

 47, 45.102,
141.320

 97, 45.102,
141.320

 37, 45.102,
141.320

 27, 45.102,
141.320

 17, 45.102,
141.320

 7, 45.102, 141.320

 0, 45.102, 141.320

■ 67, 45.102,
141.320

■ 67, 45.102,
141.320

■ 66, 56.284,
140.334

■ 68, 33.417,
142.199

■ 65, 66.619,
139.269

■ 70, 21.494,
142.964

■ 64, 75.697,
138.191

■ 71, 9.542, 143.630

■ 64, 83.048,
137.212

■ 73, 2.288, 324.057

■ 64, 88.223,
136.472

■ 75, 13.891,
324.612

■ 63, 91.135,
136.035

■ 77, 25.197,
325.017

■ 63, 91.605,
135.954

■ 79, 36.165,
325.357

■ 82, 46.775,
325.644

■ 82, 47.838,
326.079

Harmonies

Complementary

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



67, 45.102, 141.320



56, 45.082, 326.036

Rectangle

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



67, 45.102, 141.320



67, 45.102, 191.320



67, 45.102, 321.320



67, 45.102, 11.320

Sweetspot

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



67, 45.103, 141.320



90, 16.147, 143.430



71, 35.684, 105.830



48, 10.946, 143.343



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, 45.103, 141.320



84, 66.782, 140.465



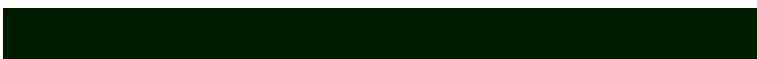
68, 31.542, 159.135



37, 6.708, 143.550



55, 81.718, 135.941



6, 16.201, 144.148

Inverse Universe

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



56, 45.082, 326.036



68, 66.602, 326.442



55, 32.866, 346.370



35, 6.720, 324.533



36, 78.974, 327.671



3, 16.146, 323.849

Previews

White Background



This preview shows how the CIELCh color 67, 45.102, 141.320 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, 45.102, 141.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

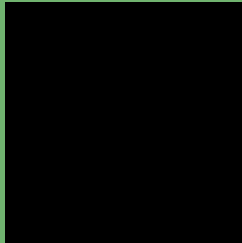
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 45.102, 141.320

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.102, 141.320.



This preview shows how white text looks on a background with the CIELCh color 67, 45.102, 141.320.

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, 45.102, 141.320

Protanopia
67, 32.257, 95.229

Deuteranopia
67, 27.265, 71.133



Tritanopia
67, 16.263, 224.713

Trichromacy



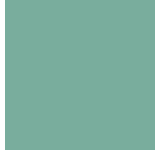
Original Color
67, 45.102, 141.320



Protanomaly
66, 34.107, 117.293



Deuteranomaly
66, 27.258, 108.167



Tritanomaly
67, 20.859, 172.509

Monochromacy



Original Color
67, 45.102, 141.320



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 16.825, 142.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.102, 141.320 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(112, 179, 111)` looks like.

```
.text, #text, p{  
    color:rgb(112, 179, 111)  
}
```

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(112, 179, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 179, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.102, 141.320 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(112, 179, 111) }
```

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

```
.border{ border-color:rgb(112, 179, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 179, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 179, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 179, 111);  
box-shadow:4px 4px 4px 4px rgb(112, 179,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.102, 141.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 179, 111) }
```

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

```
.background{ background-color: rgb(112,  
179, 111) }
```

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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