

Converting Colors

CIELCh(67, 58.579, 117.150)

Have a look what the booklet for
CIELCh(67, 58.579, 117.150)
contains.

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Color

CIELCh(67, 58.320, 117.230)

Conversions

Conversions Part 1

Format	Color
Hex	90AE3F
RGB	144, 174, 63
RGB Percent	56%, 68%, 25%
CMY	0.4347, 0.3171, 0.7524
CMYK	0.17, 0.00, 0.64, 0.32
HSL	76°, 47%, 47%
HSV	76°, 64%, 68%
XYZ	27.5932, 36.6320, 10.3400
YIQ	152.3760, 17.7510, -40.8810

Conversions

Conversions Part 2

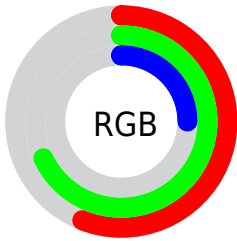
Format	Color
RYB	63, 174, 93
Decimal	9481791
CIELab	67.00, -26.69, 51.86
CIElCh	67, 58.320, 117.230
Yxy	36.6320, 0.3701, 0.4913
Android (android.graphics.Color)	4287671871 (0xFF90AE3F)
YUV	152.3760, -44.0624, -7.3458
Hunter-Lab	60.5244, -24.5391, 32.2379

Details

The CIELCh color **67, 58.320, 117.230** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **36, 68.075, 306.051**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 58.383, 117.437**, and **47, 57.988, 117.218** is the 20% darker color. If you saturate the color by 10%, you get **67, 65.304, 117.088**, and if you desaturate by 10%, it is **67, 50.274, 117.592**.

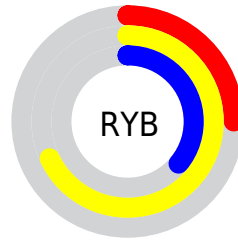
Distribution



Red (56%)

Green (68%)

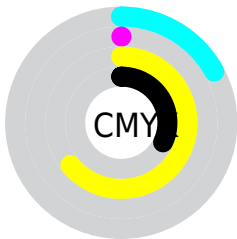
Blue (25%)



Red (25%)

Yellow (68%)

Blue (36%)

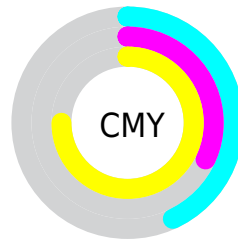


Cyan (17%)

Magenta (0%)

Yellow (64%)

Black (32%)



Cyan (43%)


Magenta (32%)


Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 58.320, 117.230 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, 58.320, 117.230 by changing the saturation by 10% instead.

 67, 58.320,
117.230

 67, 58.320,
117.230


 100, 58.320,
117.230


 57, 58.320,
117.230


 87, 58.320,
117.230

 47, 58.320,
117.230

 97, 58.320,
117.230

 37, 58.320,
117.230

 27, 58.320,
117.230

 17, 58.320,
117.230

 7, 58.320, 117.230

 0, 58.320, 117.230

■ 67, 58.320,
117.230

■ 67, 58.320,
117.230

■ 67, 65.304,
117.088

■ 67, 50.274,
117.592

■ 66, 70.798,
117.263

■ 68, 41.524,
118.087

■ 66, 74.449,
117.850

■ 69, 32.332,
118.656

■ 66, 76.094,
118.352

■ 69, 22.876,
119.259

■ 70, 13.275,
119.868

■ 71, 3.610, 120.471

■ 72, 6.062, 301.031

■ 73, 15.703,
301.579

■ 74, 25.285,
302.092

Harmonies

Complementary

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



67, 58.320, 117.230



36, 68.075, 306.051

Rectangle

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



67, 58.320, 117.230



67, 58.320, 167.230



67, 58.320, 297.230



67, 58.320, 347.230

Sweetspot

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



67, 58.321, 117.232



88, 22.741, 119.527



48, 43.848, 46.017



47, 15.763, 119.356



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 58.321, 117.232



84, 82.239, 117.109



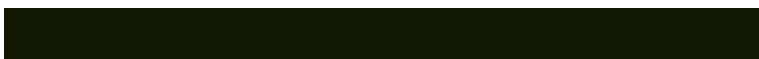
64, 66.670, 134.276



36, 5.452, 120.136



57, 68.264, 118.194



7, 11.717, 123.904

Inverse Universe

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



36, 68.075, 306.051



40, 100.216, 307.259



43, 68.446, 320.225



34, 5.556, 301.250



19, 87.868, 308.098



1, 11.500, 298.778

Previews

White Background



This preview shows how the CIELCh color 67, 58.320, 117.230 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, 58.320, 117.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

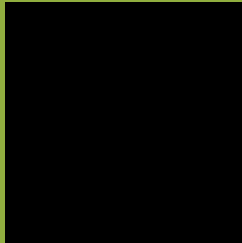
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 58.320, 117.230

Background



This preview shows how black text looks on a background with the CIELCh color 67, 58.320, 117.230.



This preview shows how white text looks on a background with the CIELCh color 67, 58.320, 117.230.

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](#).

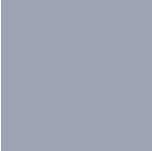
Dichromacy



Original Color
67, 58.320, 117.230

Protanopia
67, 54.221, 95.367

Deuteranopia
67, 51.243, 80.466



Tritanopia
67, 7.467, 273.921

Trichromacy



Original Color
67, 58.320, 117.230

Protanomaly
67, 54.666, 103.978

Deuteranomaly
67, 50.758, 95.125

Tritanomaly
67, 18.568, 127.097

Monochromacy



Original Color
67, 58.320, 117.230

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 22.994, 119.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 58.320, 117.230 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(144, 174, 63)` looks like.

```
.text, #text, p{  
    color:rgb(144, 174, 63)  
}
```

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(144, 174, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 174, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 58.320, 117.230 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(144, 174, 63) }
```

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

```
.border{ border-color:rgb(144, 174, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 174, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 174, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 174, 63);  
box-shadow:4px 4px 4px 4px rgb(144, 174,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 58.320, 117.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 174, 63) }
```

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

```
.background{ background-color: rgb(144,  
174, 63) }
```

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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