

Converting Colors

CIELCh(67, 45.493, 119.509)

Have a look what the booklet for
CIELCh(67, 45.493, 119.509)
contains.

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Color

CIELCh(67, 45.897, 119.486)

Conversions

Conversions Part 1

Format	Color
Hex	93AD59
RGB	147, 173, 89
RGB Percent	58%, 68%, 35%
CMY	0.4250, 0.3230, 0.6523
CMYK	0.15, 0.00, 0.49, 0.32
HSL	79°, 34%, 51%
HSV	79°, 49%, 68%
XYZ	28.6296, 36.6320, 14.9380
YIQ	155.6500, 11.4680, -31.6360

Conversions

Conversions Part 2

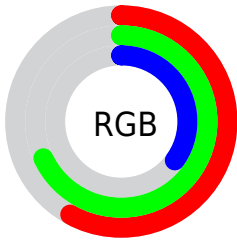
Format	Color
RYB	89, 173, 115
Decimal	9678169
CIELab	67.00, -22.59, 39.95
CIELCh	67, 45.897, 119.486
Yxy	36.6320, 0.3570, 0.4568
Android (android.graphics.Color)	4287868249 (0xFF93AD59)
YUV	155.6500, -32.8584, -7.5860
Hunter-Lab	60.5244, -21.4826, 27.7337

Details

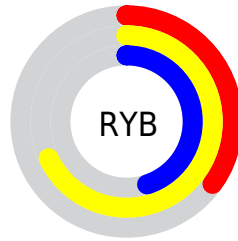
The CIELCh color **67, 45.897, 119.486** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **44, 50.906, 305.699**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 45.557, 119.540**, and **47, 46.381, 119.733** is the 20% darker color. If you saturate the color by 10%, you get **66, 54.372, 119.084**, and if you desaturate by 10%, it is **68, 36.878, 119.993**.

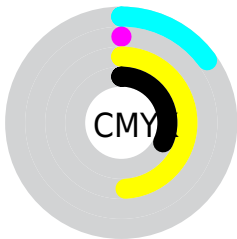
Distribution



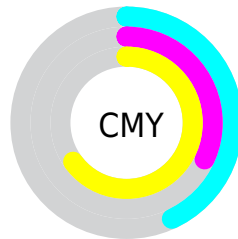
- Red (58%)
- Green (68%)
- Blue (35%)



- Red (35%)
- Yellow (68%)
- Blue (45%)



- Cyan (15%)
- Magenta (0%)
- Yellow (49%)
- Black (32%)



- Cyan (43%)
- Magenta (32%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 45.897, 119.486 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, 45.897, 119.486 by changing the saturation by 10% instead.

■ 67, 45.897,
119.486

■ 67, 45.897,
119.486

■ 100, 45.897,
119.486

■ 57, 45.897,
119.486

■ 87, 45.897,
119.486

■ 47, 45.897,
119.486

■ 97, 45.897,
119.486

■ 37, 45.897,
119.486

■ 27, 45.897,
119.486

■ 17, 45.897,
119.486

■ 7, 45.897, 119.486

■ 0, 45.897, 119.486

67, 45.897,
119.486

67, 45.897,
119.486

66, 54.372,
119.084

68, 36.878,
119.993

66, 61.994,
118.856

68, 27.523,
120.550

65, 68.369,
118.902

69, 17.979,
121.123

65, 73.084,
119.331

70, 8.343, 121.694

65, 76.110,
120.156

71, 1.319, 302.202

65, 76.489,
120.269

72, 10.959,
302.754

73, 20.544,
303.246

74, 30.049,
303.704

■ 75, 39.457,
304.127

Harmonies

Complementary

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



67, 45.897, 119.486



44, 50.906, 305.699

Rectangle

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



67, 45.897, 119.486



67, 45.897, 169.486



67, 45.897, 299.486



67, 45.897, 349.486

Sweetspot

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



67, 45.898, 119.488



88, 17.915, 121.317



54, 31.013, 49.111



46, 12.203, 121.201



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 45.898, 119.488



84, 66.505, 119.072



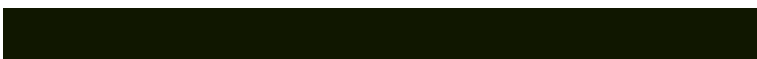
65, 52.437, 136.034



36, 5.484, 121.656



57, 69.053, 120.108



7, 11.808, 125.532

Inverse Universe

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



44, 50.906, 305.699



50, 75.884, 306.624



48, 53.443, 320.856



34, 5.584, 302.694



19, 87.287, 308.604



1, 11.543, 300.006

Previews

White Background



This preview shows how the CIELCh color 67, 45.897, 119.486 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, 45.897, 119.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

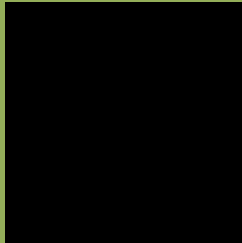
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 45.897, 119.486

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.897, 119.486.



This preview shows how white text looks on a background with the CIELCh color 67, 45.897, 119.486.

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, 45.897, 119.486

Protanopia
67, 42.455, 96.130

Deuteranopia
67, 39.326, 77.425



Tritanopia
67, 7.377, 276.622

Trichromacy



Original Color
67, 45.897, 119.486

Protanomaly
67, 43.145, 105.644

Deuteranomaly
66, 38.723, 94.311

Tritanomaly
67, 13.659, 130.737

Monochromacy



Original Color
67, 45.897, 119.486

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 16.949, 120.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.897, 119.486 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(147, 173, 89)` looks like.

```
.text, #text, p{  
    color:rgb(147, 173, 89)  
}
```

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(147, 173, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 173, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.897, 119.486 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(147, 173, 89) }
```

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

```
.border{ border-color:rgb(147, 173, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 173, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 173, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 173, 89);  
box-shadow:4px 4px 4px 4px rgb(147, 173,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.897, 119.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 173, 89) }
```

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

```
.background{ background-color: rgb(147,  
173, 89) }
```

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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