

Converting Colors

CIELCh(68, 44.933, 118.543)

Have a look what the booklet for
CIELCh(68, 44.933, 118.543)
contains.

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Color

CIELCh(68, 45.145, 118.688)

Conversions

Conversions Part 1

Format	Color
Hex	97AF5C
RGB	151, 175, 92
RGB Percent	59%, 69%, 36%
CMY	0.4082, 0.3140, 0.6395
CMYK	0.14, 0.00, 0.47, 0.31
HSL	77°, 34%, 52%
HSV	77°, 47%, 69%
XYZ	29.9908, 37.9720, 15.8569
YIQ	158.3620, 12.3390, -30.9010

Conversions

Conversions Part 2

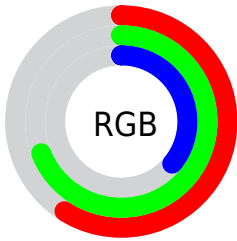
Format	Color
RYB	92, 175, 116
Decimal	9940828
CIELab	68.00, -21.67, 39.60
CIELCh	68, 45.145, 118.688
Yxy	37.9720, 0.3578, 0.4530
Android (android.graphics.Color)	4288130908 (0xFF97AF5C)
YUV	158.3620, -32.7165, -6.4565
Hunter-Lab	61.6215, -20.9627, 27.8781

Details

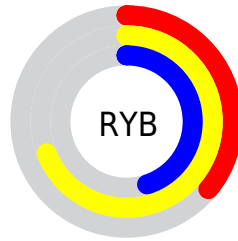
The CIELCh color **68, 45.145, 118.688** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **45, 50.070, 304.984**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 45.281, 118.618**, and **48, 44.708, 118.712** is the 20% darker color. If you saturate the color by 10%, you get **67, 53.742, 118.254**, and if you desaturate by 10%, it is **69, 36.023, 119.221**.

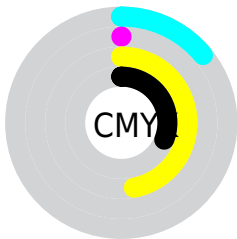
Distribution



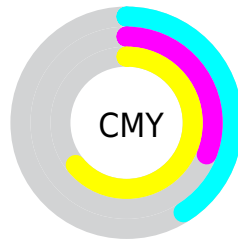
- Red (59%)
- Green (69%)
- Blue (36%)



- Red (36%)
- Yellow (69%)
- Blue (45%)



- Cyan (14%)
- Magenta (0%)
- Yellow (47%)
- Black (31%)



- Cyan (41%)
- Magenta (31%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 45.145, 118.688 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 68, 45.145, 118.688 by changing the saturation by 10% instead.

 68, 45.145,
118.688

 68, 45.145,
118.688

 100, 45.145,
118.688

 58, 45.145,
118.688

 88, 45.145,
118.688


 48, 45.145,
118.688

 98, 45.145,
118.688

 38, 45.145,
118.688

 28, 45.145,
118.688

 18, 45.145,
118.688

 8, 45.145, 118.688

 0, 45.145, 118.688

■ 68, 45.145,
118.688

■ 68, 45.145,
118.688

■ 67, 53.742,
118.254

■ 69, 36.023,
119.221

■ 67, 61.512,
117.983

■ 69, 26.580,
119.798

■ 67, 68.064,
117.970

■ 70, 16.955,
120.390

■ 66, 72.972,
118.321

■ 71, 7.242, 120.978

■ 66, 76.077,
119.087

■ 72, 2.494, 301.521

■ 66, 76.769,
119.296

■ 73, 12.208,
302.072

■ 74, 21.867,
302.579

■ 75, 31.447,
303.052

■ 76, 40.932,
303.490

Harmonies

Complementary

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



68, 45.145, 118.688



45, 50.070, 304.984

Rectangle

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



68, 45.145, 118.688



68, 45.145, 168.688



68, 45.145, 298.688



68, 45.145, 348.688

Sweetspot

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



68, 45.146, 118.690



89, 16.823, 120.579



54, 30.629, 47.500



47, 11.704, 120.454



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 45.146, 118.690



85, 65.824, 118.234



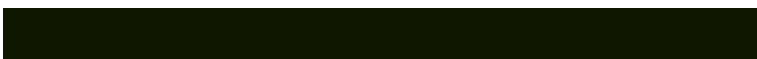
66, 51.509, 135.675



36, 5.467, 120.869



57, 68.635, 119.127



7, 11.760, 124.698

Inverse Universe

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



45, 50.070, 304.984



51, 75.207, 305.984



49, 52.613, 320.299



34, 5.569, 301.946



19, 87.595, 308.332



1, 11.520, 299.369

Previews

White Background



This preview shows how the CIELCh color 68, 45.145, 118.688 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 68, 45.145, 118.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

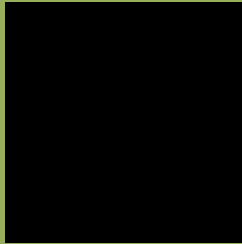
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 45.145, 118.688

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.145, 118.688.



This preview shows how white text looks on a background with the CIELCh color 68, 45.145, 118.688.

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
68, 45.145, 118.688

Protanopia
68, 41.864, 96.174

Deuteranopia
68, 39.184, 77.532



Tritanopia
68, 7.230, 282.208

Trichromacy



Original Color
68, 45.145, 118.688

Protanomaly
68, 42.108, 104.611

Deuteranomaly
68, 38.219, 93.672

Tritanomaly
68, 12.828, 128.504

Monochromacy



Original Color
68, 45.145, 118.688

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 16.892, 120.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.145, 118.688 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(151, 175, 92)` looks like.

```
.text, #text, p{  
    color:rgb(151, 175, 92)  
}
```

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(151, 175, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 175, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.145, 118.688 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(151, 175, 92) }
```

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

```
.border{ border-color:rgb(151, 175, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 175, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 175, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 175, 92);  
box-shadow:4px 4px 4px 4px rgb(151, 175,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.145, 118.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 175, 92) }
```

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

```
.background{ background-color: rgb(151,  
175, 92) }
```

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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