

# Converting Colors

CIELCh(68, 25.312, 133.261)

Have a look what the booklet for  
CIELCh(68, 25.312, 133.261)  
contains.

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# Color

**CIELCh(68, 25.479, 133.588)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	92AE84
RGB	146, 174, 132
RGB Percent	57%, 68%, 52%
CMY	0.4280, 0.3182, 0.4829
CMYK	0.16, 0.00, 0.24, 0.32
HSL	100°, 21%, 60%
HSV	100°, 24%, 68%
XYZ	31.0888, 37.9720, 27.4682
YIQ	160.8400, -3.2060, -18.9980

# Conversions

## Conversions Part 2

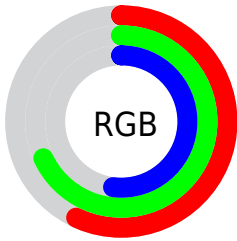
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 174, 160</a>
Decimal	<a href="#">9612932</a>
CIELab	<a href="#">68.00, -17.57, 18.45</a>
CIElCh	<a href="#">68, 25.479, 133.588</a>
Yxy	<a href="#">37.9720, 0.3221, 0.3934</a>
Android (android.graphics.Color)	<a href="#">4287803012 (0xFF92AE84)</a>
YUV	<a href="#">160.8400, -14.2181, -13.0147</a>
Hunter-Lab	<a href="#">61.6215, -17.7821, 16.7061</a>

# Details

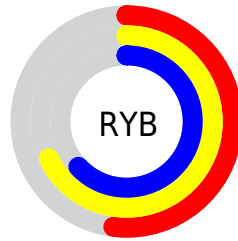
The CIELCh color **68, 25.479, 133.588** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 26.002, 315.684**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 25.907, 133.797**, and **48, 25.923, 133.457** is the 20% darker color. If you saturate the color by 10%, you get **67, 35.958, 133.074**, and if you desaturate by 10%, it is **69, 14.911, 134.075**.

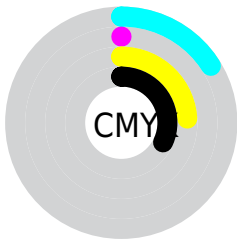
# Distribution



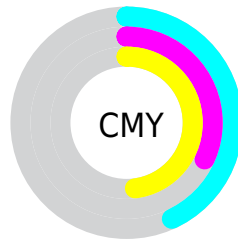
- Red (57%)
- Green (68%)
- Blue (52%)



- Red (52%)
- Yellow (68%)
- Blue (63%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (32%)



- Cyan (43%)
- Magenta (32%)
- Yellow (48%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 25.479, 133.588 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, 25.479, 133.588 by changing the saturation by 10% instead.



 68, 25.479,  
133.588

 68, 25.479,  
133.588


 100, 25.479,  
133.588

 58, 25.479,  
133.588


 88, 25.479,  
133.588

 48, 25.479,  
133.588

 98, 25.479,  
133.588

 38, 25.479,  
133.588

 28, 25.479,  
133.588

 18, 25.479,  
133.588

 8, 25.479, 133.588

 0, 25.479, 133.588

68, 25.479,  
133.588

68, 25.479,  
133.588

67, 35.958,  
133.074

69, 14.911,  
134.075

66, 46.196,  
132.547

70, 4.355, 134.538

65, 55.987,  
132.049

72, 6.110, 314.870

64, 65.045,  
131.645

73, 16.433,  
315.232

64, 72.991,  
131.433

75, 26.575,  
315.539

63, 79.383,  
131.537

77, 36.514,  
315.805

63, 83.849,  
132.064

78, 46.233,  
316.035

63, 85.839,

79, 48.329,  
320.159

132.442

 81, 49.988,  
324.453

# Harmonies

# Complementary

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



68, 25.479, 133.588



59, 26.002, 315.684

# Rectangle

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



68, 25.479, 133.588



68, 25.479, 183.588



68, 25.479, 313.588



68, 25.479, 3.588

# Sweetspot

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



68, 25.481, 133.589



89, 9.131, 134.398



66, 16.474, 88.084



48, 5.983, 134.371



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, 25.481, 133.589



86, 37.972, 133.316



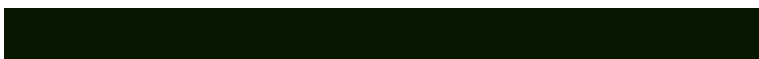
67, 25.172, 147.704



36, 5.940, 134.298



55, 77.027, 132.281



6, 12.756, 136.619



# Inverse Universe

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



59, 26.002, 315.684



72, 38.925, 315.919



60, 25.251, 330.851



34, 5.993, 315.036



27, 81.211, 316.495



1, 12.253, 311.588



# Previews

## White Background



This preview shows how the CIELCh color 68, 25.479, 133.588 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, 25.479, 133.588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

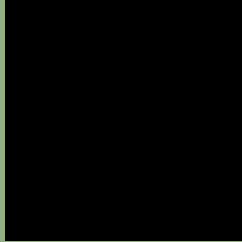
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 25.479, 133.588**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 25.479, 133.588.



This preview shows how white text looks on a background with the CIELCh color 68, 25.479, 133.588.

# 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, 25.479, 133.588

**Protanopia**  
68, 20.745, 95.380

**Deuteranopia**  
68, 19.141, 63.258





**Tritanopia**  
68, 8.907, 259.467

# Trichromacy



**Original Color**  
68, 25.479, 133.588

**Protanomaly**  
68, 21.298, 111.265

**Deuteranomaly**  
68, 17.055, 93.150

**Tritanomaly**  
68, 7.538, 172.781

# Monochromacy



**Original Color**  
68, 25.479, 133.588

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 9.818, 134.948

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 25.479, 133.588 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(146, 174, 132)` looks like.

```
.text, #text, p{  
    color:rgb(146, 174, 132)  
}
```

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(146, 174, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 174, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 25.479, 133.588 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(146, 174, 132) }
```

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

```
.border{ border-color:rgb(146, 174, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 174, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 174, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 174, 132);  
box-shadow:4px 4px 4px 4px rgb(146, 174,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 25.479, 133.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 174, 132) }
```

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

```
.background{ background-color: rgb(146,  
174, 132) }
```

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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