

# Converting Colors

CIELCh(67, 28.738, 136.354)

Have a look what the booklet for  
CIELCh(67, 28.738, 136.354)  
contains.

<b>CIELCh(67, 28.734, 136.333)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(67, 28.734, 136.333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AAD7F
RGB	138, 173, 127
RGB Percent	54%, 68%, 50%
CMY	0.4603, 0.3231, 0.5034
CMYK	0.20, 0.00, 0.27, 0.32
HSL	106°, 22%, 59%
HSV	106°, 27%, 68%
XYZ	29.0948, 36.6320, 25.4903
YIQ	157.2910, -6.0940, -21.7260

# Conversions

## Conversions Part 2

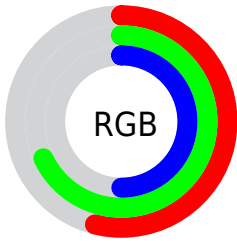
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 173, 162
Decimal	9088383
CIELab	67.00, -20.79, 19.84
CIElCh	67, 28.734, 136.333
Yxy	36.6320, 0.3190, 0.4016
Android (android.graphics.Color)	4287278463 (0xFF8AAD7F)
YUV	157.2910, -14.9335, -16.9182
Hunter-Lab	60.5244, -20.1105, 17.3966

# Details

The CIELCh color **67, 28.734, 136.333** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **58, 29.168, 318.769**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.990, 136.427**, and **47, 28.219, 136.613** is the 20% darker color. If you saturate the color by 10%, you get **66, 39.418, 135.746**, and if you desaturate by 10%, it is **68, 17.926, 136.875**.

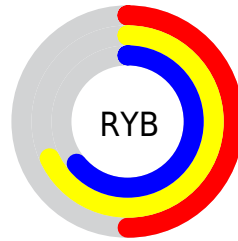
# Distribution



Red (54%)

Green (68%)

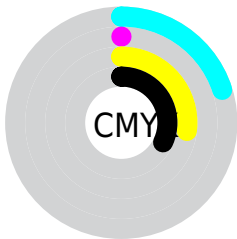
Blue (50%)



Red (50%)

Yellow (68%)

Blue (64%)

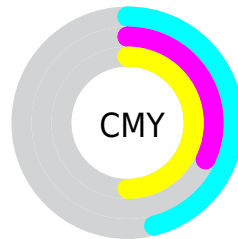


Cyan (20%)

Magenta (0%)

Yellow (27%)

Black (32%)



Cyan (46%)

Magenta (32%)


Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 28.734, 136.333 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, 28.734, 136.333 by changing the saturation by 10% instead.




 67, 28.734,  
136.333


 67, 28.734,  
136.333


 100, 28.734,  
136.333


 57, 28.734,  
136.333


 87, 28.734,  
136.333

 47, 28.734,  
136.333

 97, 28.734,  
136.333

 37, 28.734,  
136.333

 27, 28.734,  
136.333

 17, 28.734,  
136.333

 7, 28.734, 136.333

 0, 28.734, 136.333

67, 28.734,  
136.333

67, 28.734,  
136.333

66, 39.418,  
135.746

68, 17.926,  
136.875

65, 49.794,  
135.130

70, 7.118, 137.370

64, 59.621,  
134.525

71, 3.594, 317.718

63, 68.572,  
134.002

73, 14.145,  
318.122

63, 76.233,  
133.665

74, 24.489,  
318.445

62, 82.151,  
133.638

76, 34.598,  
318.719


62, 86.058,  
133.987

78, 44.456,  
318.954

62, 87.138,

80, 49.659,  
321.803

134.089

 81, 51.508,  
326.202

# Harmonies

# Complementary

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



67, 28.734, 136.333



58, 29.168, 318.769

# Rectangle

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



67, 28.734, 136.333



67, 28.734, 186.333



67, 28.734, 316.333



67, 28.734, 6.333

# Sweetspot

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



67, 28.736, 136.334



88, 10.629, 137.297



66, 19.547, 94.045



46, 7.551, 137.226



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, 28.736, 136.334



84, 42.686, 135.990



67, 25.951, 150.343



36, 6.103, 137.240



54, 78.634, 133.966



6, 13.041, 138.963



# Inverse Universe

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



58, 29.168, 318.769



70, 43.461, 319.022



59, 26.127, 334.106



34, 6.142, 318.007



29, 79.879, 319.488



2, 12.591, 315.100



# Previews

## White Background



This preview shows how the CIELCh color 67, 28.734, 136.333 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, 28.734, 136.333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

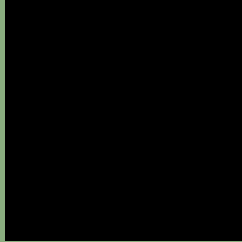
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 28.734, 136.333**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 28.734, 136.333.



This preview shows how white text looks on a background with the CIELCh color 67, 28.734, 136.333.

# 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, 28.734, 136.333

**Protanopia**  
67, 22.506, 94.956

**Deuteranopia**  
67, 20.052, 65.249





**Tritanopia**  
67, 9.952, 245.385

# Trichromacy



**Original Color**  
67, 28.734, 136.333

**Protanomaly**  
67, 23.023, 112.890

**Deuteranomaly**  
66, 18.418, 97.952

**Tritanomaly**  
67, 10.362, 173.258

# Monochromacy



**Original Color**  
67, 28.734, 136.333

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 10.709, 137.300

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 28.734, 136.333 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(138, 173, 127)` looks like.

```
.text, #text, p{  
    color:rgb(138, 173, 127)  
}
```

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(138, 173, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 173, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 28.734, 136.333 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(138, 173, 127) }
```

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

```
.border{ border-color:rgb(138, 173, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 173, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 173, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 173, 127);  
box-shadow:4px 4px 4px 4px rgb(138, 173,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 28.734, 136.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 173, 127) }
```

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

```
.background{ background-color: rgb(138,  
173, 127) }
```

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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