

# Converting Colors

CIELCh(67, 52.773, 138.871)

Have a look what the booklet for  
CIELCh(67, 52.773, 138.871)  
contains.

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# Color

**CIELCh(67, 52.583, 138.759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AB462
RGB	106, 180, 98
RGB Percent	42%, 71%, 38%
CMY	0.5840, 0.2937, 0.6154
CMYK	0.41, 0.00, 0.46, 0.29
HSL	114°, 35%, 55%
HSV	114°, 46%, 71%
XYZ	24.5023, 36.6320, 17.3552
YIQ	148.5260, -17.7820, -41.1900

# Conversions

## Conversions Part 2

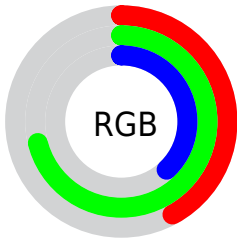
<b>Format</b>	<b>Color</b>
<b>RYB</b>	98, 180, 172
Decimal	6992994
CIELab	67.00, -39.54, 34.66
CIELCh	67, 52.583, 138.759
Yxy	36.6320, 0.3122, 0.4667
Android (android.graphics.Color)	4285183074 (0xFF6AB462)
YUV	148.5260, -24.9093, -37.2953
Hunter-Lab	60.5244, -33.6547, 25.3658

# Details

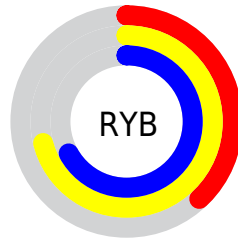
The CIELCh color **67, 52.583, 138.759** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **53, 52.891, 323.890**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 52.321, 138.696**, and **47, 52.802, 138.670** is the 20% darker color. If you saturate the color by 10%, you get **66, 63.125, 137.896**, and if you desaturate by 10%, it is **68, 41.385, 139.574**.

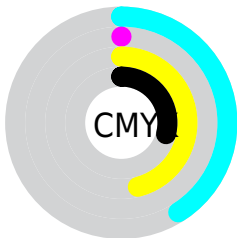
# Distribution



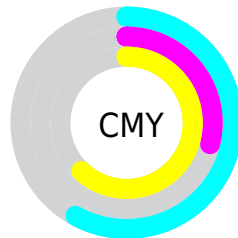
- Red (42%)
- Green (71%)
- Blue (38%)



- Red (38%)
- Yellow (71%)
- Blue (67%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)




- Cyan (58%)
- Magenta (29%)
- Yellow (62%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 52.583, 138.759 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, 52.583, 138.759 by changing the saturation by 10% instead.




 67, 52.583,  
138.759


 67, 52.583,  
138.759


 100, 52.583,  
138.759


 57, 52.583,  
138.759


 87, 52.583,  
138.759

 47, 52.583,  
138.759

 97, 52.583,  
138.759

 37, 52.583,  
138.759

 27, 52.583,  
138.759

 17, 52.583,  
138.759

 7, 52.583, 138.759

 0, 52.583, 138.759

67, 52.583,  
138.759

67, 52.583,  
138.759

66, 63.125,  
137.896

68, 41.385,  
139.574

65, 72.635,  
137.042

69, 29.818,  
140.310

65, 80.661,  
136.299

71, 18.105,  
140.960

64, 86.722,  
135.796

72, 6.412, 141.541

64, 90.480,  
135.634

74, 5.142, 321.944

64, 91.679,  
135.558

76, 16.473,  
322.381

78, 27.528,  
322.734

80, 38.273,  
323.031

■ 82, 46.473,  
325.035

# Harmonies

# Complementary

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



67, 52.583, 138.759



53, 52.891, 323.890

# Rectangle

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



67, 52.583, 138.759



67, 52.583, 188.759



67, 52.583, 318.759



67, 52.583, 8.759

# Sweetspot

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



67, 52.584, 138.760



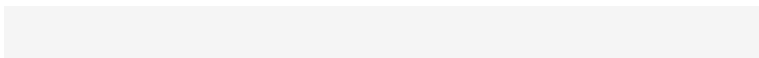
90, 20.215, 141.039



70, 39.584, 100.999



47, 13.957, 140.910



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



67, 52.584, 138.760



84, 77.439, 137.861



67, 40.300, 154.280



37, 6.530, 141.326



55, 81.209, 135.484



7, 15.873, 142.404



# Inverse Universe

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



53, 52.891, 323.890



63, 77.713, 324.264



52, 41.370, 342.650



35, 6.552, 322.210



33, 79.429, 324.501



2, 15.540, 320.442



# Previews

## White Background



This preview shows how the CIELCh color 67, 52.583, 138.759 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, 52.583, 138.759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

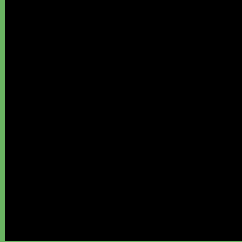
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 52.583, 138.759

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 52.583, 138.759.

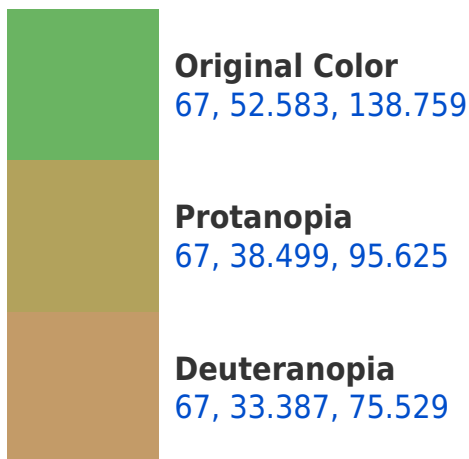


This preview shows how white text looks on a background with the CIELCh color 67, 52.583, 138.759.


# 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







**Tritanopia**  
67, 17.519, 224.650

# Trichromacy



**Original Color**  
67, 52.583, 138.759



**Protanomaly**  
66, 40.798, 116.199



**Deuteranomaly**  
66, 33.590, 107.334



**Tritanomaly**  
67, 24.065, 168.518

# Monochromacy



**Original Color**  
67, 52.583, 138.759



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
63, 19.846, 140.706

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 52.583, 138.759 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(106, 180, 98)` looks like.

```
.text, #text, p{  
    color:rgb(106, 180, 98)  
}
```

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(106, 180, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 180, 98) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 52.583, 138.759 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(106, 180, 98) }
```

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

```
.border{ border-color:rgb(106, 180, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 180, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 180, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 180, 98);  
box-shadow:4px 4px 4px 4px rgb(106, 180,  
98) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 52.583, 138.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 180, 98) }
```

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

```
.background{ background-color: rgb(106,  
180, 98) }
```

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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