

# Converting Colors

CIELCh(67, 41.661, 152.733)

Have a look what the booklet for  
CIELCh(67, 41.661, 152.733)  
contains.

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**Color**

**CIELCh(67, 42.057, 152.557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61B47F
RGB	97, 180, 127
RGB Percent	38%, 71%, 50%
CMY	0.6203, 0.2948, 0.5026
CMYK	0.46, 0.00, 0.29, 0.29
HSL	142°, 36%, 54%
HSV	142°, 46%, 71%
XYZ	25.0176, 36.6320, 25.7750
YIQ	149.1410, -32.4550, -34.0790

# Conversions

## Conversions Part 2

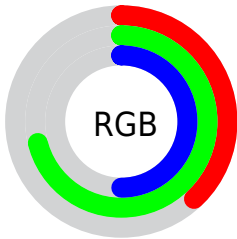
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 158, 180
Decimal	6403199
CIELab	67.00, -37.32, 19.38
CIELCh	67, 42.057, 152.557
Yxy	36.6320, 0.2862, 0.4190
Android (android.graphics.Color)	4284593279 (0xFF61B47F)
YUV	149.1410, -10.9155, -45.7277
Hunter-Lab	60.5244, -32.1351, 17.1177

# Details

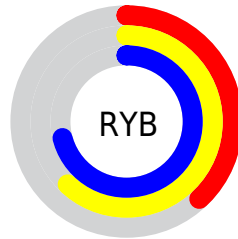
The CIELCh color  $67, 42.057, 152.557$  is a dark color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $52, 42.863, 340.736$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 41.785, 152.566$ , and  $47, 41.602, 152.970$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 50.354, 151.209$ , and if you desaturate by 10%, it is  $68, 33.286, 153.735$ .

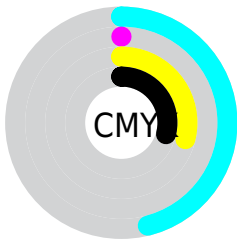
# Distribution



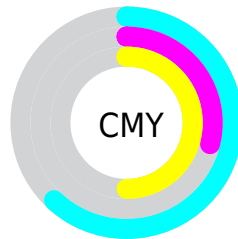
- Red (38%)
- Green (71%)
- Blue (50%)



- Red (38%)
- Yellow (62%)
- Blue (71%)



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




- Cyan (62%)
- Magenta (29%)
- Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 42.057, 152.557 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, 42.057, 152.557 by changing the saturation by 10% instead.




 67, 42.057,  
152.557

 67, 42.057,  
152.557


 100, 42.057,  
152.557


 57, 42.057,  
152.557


 87, 42.057,  
152.557

 47, 42.057,  
152.557

 97, 42.057,  
152.557

 37, 42.057,  
152.557

 27, 42.057,  
152.557

 17, 42.057,  
152.557

 7, 42.057, 152.557

 0, 42.057, 152.557

67, 42.057,  
152.557

67, 42.057,  
152.557

66, 50.354,  
151.209

68, 33.286,  
153.735

65, 58.012,  
149.674

69, 24.202,  
154.766

65, 64.891,  
147.944

71, 14.956,  
155.674

64, 70.894,  
146.031

72, 5.676, 156.502

64, 75.994,  
143.986

74, 3.536, 337.052

76, 12.601,  
337.747

64, 77.796,  
143.239

78, 21.467,  
338.322

80, 30.095,  
338.837

■ 82, 37.558,  
337.775

# Harmonies

# Complementary

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



67, 42.057, 152.557



52, 42.863, 340.736

# Rectangle

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



67, 42.057, 152.557



67, 42.057, 202.557



67, 42.057, 332.557



67, 42.057, 22.557

# Sweetspot

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



67, 42.058, 152.557



90, 16.082, 155.836



69, 45.538, 121.244



47, 11.098, 155.655



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, 42.058, 152.557



84, 61.241, 151.239



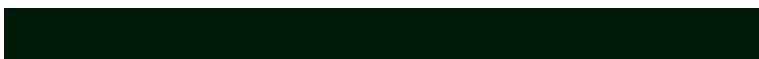
68, 28.393, 183.028



37, 5.201, 156.242



55, 68.605, 143.531



7, 13.352, 153.463



# Inverse Universe

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



52, 42.863, 340.736



63, 62.136, 341.812



51, 35.735, 13.084



35, 5.236, 337.517



33, 60.981, 349.245



2, 11.624, 342.137



# Previews

## White Background



This preview shows how the CIELCh color 67, 42.057, 152.557 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, 42.057, 152.557 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, 42.057, 152.557**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 42.057, 152.557.

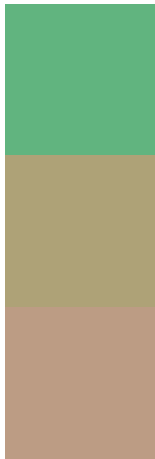


This preview shows how white text looks on a background with the CIELCh color 67, 42.057, 152.557.

# 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, 42.057, 152.557

**Protanopia**  
67, 24.097, 95.581

**Deuteranopia**  
67, 18.914, 64.080





**Tritanopia**  
67, 20.878, 219.881

# Trichromacy



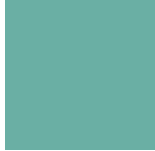
**Original Color**  
67, 42.057, 152.557



**Protanomaly**  
66, 26.685, 127.042



**Deuteranomaly**  
66, 19.625, 120.033



**Tritanomaly**  
67, 24.455, 182.891

# Monochromacy



**Original Color**  
67, 42.057, 152.557



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
63, 15.725, 155.684

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 42.057, 152.557 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(97, 180, 127)` looks like.

```
.text, #text, p{  
    color:rgb(97, 180, 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(97, 180, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 180, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 42.057, 152.557 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(97, 180, 127) }
```

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

```
.border{ border-color:rgb(97, 180, 127) }
```

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

Here you see how a box with a 4 pixel rgb(97, 180, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 180, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 180, 127);  
box-shadow:4px 4px 4px 4px rgb(97, 180,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 42.057, 152.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 180, 127) }
```

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

```
.background{ background-color: rgb(97, 180,  
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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