

# Converting Colors

CIELCh(66, 27.200, 117.864)

Have a look what the booklet for  
CIELCh(66, 27.200, 117.864)  
contains.

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**Color**

**CIELCh(66, 27.172, 117.874)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9AA675
RGB	154, 166, 117
RGB Percent	60%, 65%, 46%
CMY	0.3969, 0.3498, 0.5420
CMYK	0.07, 0.00, 0.30, 0.35
HSL	75°, 22%, 55%
HSV	75°, 30%, 65%
XYZ	30.0826, 35.3238, 22.0003
YIQ	156.8260, 8.5770, -17.7830

# Conversions

## Conversions Part 2

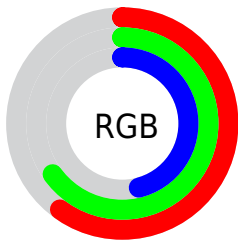
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">117, 166, 129</a>
Decimal	<a href="#">10135157</a>
CIELab	<a href="#">66.00, -12.70, 24.02</a>
CIELCh	<a href="#">66, 27.172, 117.874</a>
Yxy	<a href="#">35.3238, 0.3442, 0.4041</a>
Android (android.graphics.Color)	<a href="#">4288325237 (0xFF9AA675)</a>
YUV	<a href="#">156.8260, -19.6342, -2.4784</a>
Hunter-Lab	<a href="#">59.4338, -13.6610, 19.6566</a>

# Details

The CIELCh color  $66, 27.172, 117.874$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $52, 28.910, 301.908$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 27.362, 117.645$ , and  $46, 27.181, 117.968$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 36.089, 117.267$ , and if you desaturate by 10%, it is  $67, 18.057, 118.507$ .

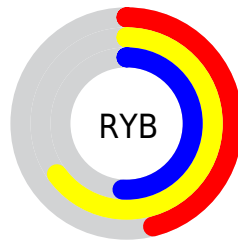
# Distribution



Red (60%)

Green (65%)

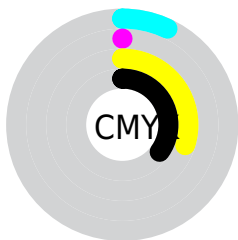
Blue (46%)



Red (46%)

Yellow (65%)

Blue (51%)

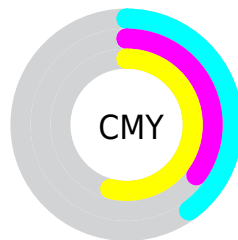


Cyan (7%)

Magenta (0%)

Yellow (30%)

Black (35%)



Cyan (40%)

Magenta (35%)


Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 27.172, 117.874 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 66, 27.172, 117.874 by changing the saturation by 10% instead.




 66, 27.172,  
117.874


 66, 27.172,  
117.874

 100, 27.172,  
117.874


 56, 27.172,  
117.874


 86, 27.172,  
117.874

 46, 27.172,  
117.874

 96, 27.172,  
117.874

 36, 27.172,  
117.874

 26, 27.172,  
117.874

 16, 27.172,  
117.874

 6, 27.172, 117.874

 0, 27.172, 117.874

66, 27.172,  
117.874

66, 27.172,  
117.874

65, 36.089,  
117.267

67, 18.057,  
118.507

65, 44.659,  
116.711

67, 8.836, 119.137

64, 52.674,  
116.259

68, 0.426, 299.688

69, 9.682, 300.330

64, 59.829,  
115.979

70, 18.901,  
300.888

64, 65.735,  
115.961

71, 28.059,  
301.411

63, 69.999,  
116.302


72, 37.138,  
301.900

63, 72.727,  
116.981

73, 46.125,  
302.354

63, 72.845,

117.012

 73, 49.226,  
303.481

# Harmonies

# Complementary

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



66, 27.172, 117.874



52, 28.910, 301.908

# Rectangle

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



66, 27.172, 117.874



66, 27.172, 167.874



66, 27.172, 297.874



66, 27.172, 347.874

# Sweetspot

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



66, 27.174, 117.877



86, 10.357, 119.160



57, 17.366, 42.638



46, 7.254, 119.072



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



66, 27.174, 117.877



84, 39.860, 117.500



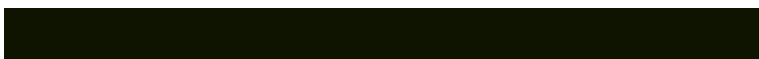
64, 30.575, 135.359



35, 5.301, 119.152



57, 66.946, 116.893



6, 9.804, 122.316



# Inverse Universe

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



52, 28.910, 301.908



63, 43.049, 302.469



54, 31.154, 318.027



33, 5.404, 300.314



18, 87.104, 307.823



1, 9.677, 298.410



# Previews

## White Background



This preview shows how the CIELCh color 66, 27.172, 117.874 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 66, 27.172, 117.874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

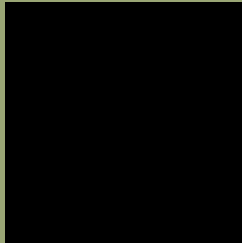
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 27.172, 117.874

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 27.172, 117.874.



This preview shows how white text looks on a background with the CIELCh color 66, 27.172, 117.874.

# 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**  
66, 27.172, 117.874

**Protanopia**  
66, 25.836, 95.135

**Deuteranopia**  
66, 24.652, 70.839





**Tritanopia**  
66, 6.711, 297.220

# Trichromacy



**Original Color**  
66, 27.172, 117.874

**Protanomaly**  
66, 25.755, 103.684

**Deuteranomaly**  
66, 23.345, 88.765

**Tritanomaly**  
66, 5.653, 121.465

# Monochromacy



**Original Color**  
66, 27.172, 117.874

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 10.082, 118.132

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 27.172, 117.874 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(154, 166, 117)` looks like.

```
.text, #text, p{  
    color:rgb(154, 166, 117)  
}
```

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(154, 166, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 166, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 27.172, 117.874 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(154, 166, 117) }
```

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

```
.border{ border-color:rgb(154, 166, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 166, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 166, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 166, 117);  
box-shadow:4px 4px 4px 4px rgb(154, 166,  
117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 27.172, 117.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 166, 117) }
```

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

```
.background{ background-color: rgb(154,  
166, 117) }
```

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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