

# Converting Colors

CIELCh(66, 24.186, 102.712)

Have a look what the booklet for  
CIELCh(66, 24.186, 102.712)  
contains.

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**Color**

**CIELCh(66, 24.177, 102.636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7A276
RGB	167, 162, 118
RGB Percent	65%, 64%, 46%
CMY	0.3454, 0.3650, 0.5376
CMYK	0.00, 0.03, 0.29, 0.35
HSL	54°, 22%, 56%
HSV	54°, 29%, 65%
XYZ	32.0895, 35.3238, 22.2419
YIQ	158.4790, 17.1040, -12.6240

# Conversions

## Conversions Part 2

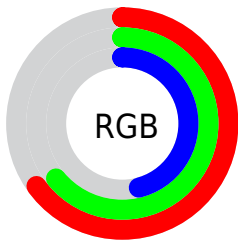
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 167, 118
Decimal	10986102
CIELab	66.00, -5.29, 23.59
CIELCh	66, 24.177, 102.636
Yxy	35.3238, 0.3579, 0.3940
Android (android.graphics.Color)	4289176182 (0xFFA7A276)
YUV	158.4790, -19.9561, 7.4729
Hunter-Lab	59.4338, -7.6336, 19.4156

# Details

The CIELCh color  $66, 24.177, 102.636$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $53, 25.516, 289.477$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 24.538, 102.602$ , and  $46, 24.491, 103.506$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 32.264, 101.576$ , and if you desaturate by 10%, it is  $67, 15.970, 103.701$ .

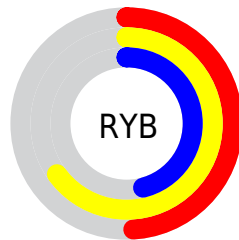
# Distribution



Red (65%)

Green (64%)

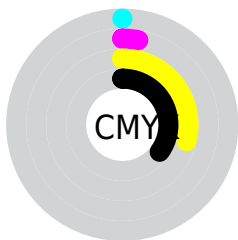
Blue (46%)



Red (49%)

Yellow (65%)

Blue (46%)

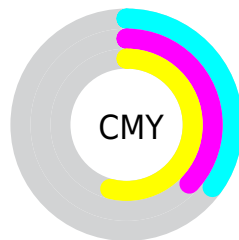


Cyan (0%)

Magenta (3%)

Yellow (29%)

Black (35%)



Cyan (35%)

Magenta (37%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 24.177, 102.636 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, 24.177, 102.636 by changing the saturation by 10% instead.





 66, 24.177,  
102.636


 66, 24.177,  
102.636


 100, 24.177,  
102.636


 56, 24.177,  
102.636


 86, 24.177,  
102.636

 46, 24.177,  
102.636

 96, 24.177,  
102.636

 36, 24.177,  
102.636

 26, 24.177,  
102.636

 16, 24.177,  
102.636

 6, 24.177, 102.636

 0, 24.177, 102.636

66, 24.177,  
102.636

66, 24.177,  
102.636

65, 32.264,  
101.576

67, 15.970,  
103.701

65, 40.104,  
100.522

68, 7.714, 104.742

64, 47.499, 99.496

69, 0.543, 285.949

63, 54.146, 98.516

69, 8.774, 286.779

63, 59.619, 97.598

70, 16.961,  
287.728

62, 63.433, 96.750

71, 25.095,  
288.641

62, 65.582, 95.957

72, 33.169,  
289.511

62, 65.714, 95.907

74, 41.178,  
290.337

■ 74, 42.117,  
289.806

# Harmonies

# Complementary

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



66, 24.177, 102.636



53, 25.516, 289.477

# Rectangle

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



66, 24.177, 102.636



66, 24.177, 152.636



66, 24.177, 282.636



66, 24.177, 332.636

# Sweetspot

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



66, 24.178, 102.640



86, 9.182, 104.761



55, 20.579, 12.793



46, 6.433, 104.616



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, 24.178, 102.640



83, 35.570, 101.971



66, 27.826, 123.403



35, 4.699, 104.748



55, 60.167, 95.982



5, 8.268, 103.838



# Inverse Universe

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



53, 25.516, 289.477



63, 38.082, 290.531



53, 29.279, 306.564



33, 4.780, 286.732



18, 83.988, 304.621



1, 8.732, 286.392



# Previews

## White Background



This preview shows how the CIELCh color 66, 24.177, 102.636 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, 24.177, 102.636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

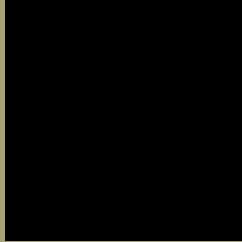
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 24.177, 102.636**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 24.177, 102.636.



This preview shows how white text looks on a background with the CIELCh color 66, 24.177, 102.636.

# 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, 24.177, 102.636


### Protanopia

66, 24.150, 95.539

### Deuteranopia

66, 24.198, 70.159





**Tritanopia**  
66, 9.962, 334.060

# Trichromacy



**Original Color**  
66, 24.177, 102.636

**Protanomaly**  
66, 24.414, 98.667

**Deuteranomaly**  
66, 23.382, 82.127

**Tritanomaly**  
66, 6.763, 60.364

# Monochromacy



**Original Color**  
66, 24.177, 102.636

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 8.873, 104.097

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 24.177, 102.636 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(167, 162, 118)` looks like.

```
.text, #text, p{  
    color:rgb(167, 162, 118)  
}
```

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(167, 162, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 162, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 24.177, 102.636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

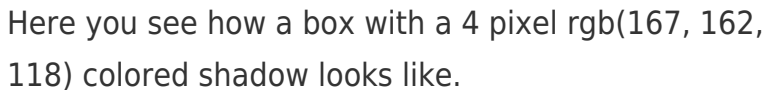
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 162, 118) }
```

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

```
.border{ border-color:rgb(167, 162, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 162, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 162, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 162, 118); box-shadow:4px 4px 4px 4px rgb(167, 162, 118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 24.177, 102.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 162, 118) }
```

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

```
.background{ background-color: rgb(167,  
162, 118) }
```

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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