

# Converting Colors

CIELCh(60, 24.784, 116.201)

Have a look what the booklet for  
CIELCh(60, 24.784, 116.201)  
contains.

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**Color**

**CIELCh(60, 24.757, 116.213)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C9569
RGB	140, 149, 105
RGB Percent	55%, 58%, 41%
CMY	0.4507, 0.4154, 0.5879
CMYK	0.06, 0.00, 0.30, 0.42
HSL	72°, 17%, 50%
HSV	72°, 30%, 58%
XYZ	24.1418, 28.1233, 17.5404
YIQ	141.2930, 8.7600, -15.5920

# Conversions

## Conversions Part 2

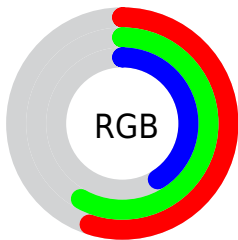
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 149, 114
Decimal	9213289
CIELab	60.00, -10.94, 22.21
CIElCh	60, 24.757, 116.213
Yxy	28.1233, 0.3458, 0.4029
Android (android.graphics.Color)	4287403369 (0xFF8C9569)
YUV	141.2930, -17.8924, -1.1340
Hunter-Lab	53.0314, -11.5454, 17.5116

# Details

The CIELCh color  $60, 24.757, 116.213$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $47, 26.387, 300.516$ , and the grayscale version is  $59, 0.008, 296.813$ .

A 20% lighter version of the original color is  $80, 24.497, 116.269$ , and  $40, 24.709, 116.175$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 32.886, 115.568$ , and if you desaturate by 10%, it is  $61, 16.447, 116.884$ .

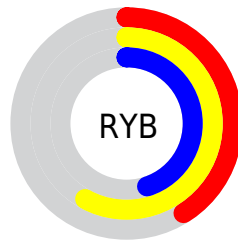
# Distribution



Red (55%)

Green (58%)

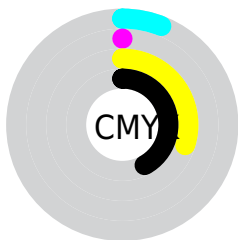
Blue (41%)



Red (41%)

Yellow (58%)

Blue (45%)

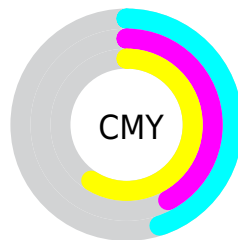


Cyan (6%)

Magenta (0%)

Yellow (30%)

Black (42%)



Cyan (45%)

Magenta (42%)


Yellow (59%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 24.757, 116.213 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 60, 24.757, 116.213 by changing the saturation by 10% instead.





 60, 24.757,  
116.213


 60, 24.757,  
116.213


 100, 24.757,  
116.213


 50, 24.757,  
116.213


 80, 24.757,  
116.213

 40, 24.757,  
116.213

 90, 24.757,  
116.213

 30, 24.757,  
116.213

 20, 24.757,  
116.213

 10, 24.757,  
116.213

 0, 24.757, 116.213

 60, 24.757,

 60, 24.757,

116.213

60, 32.886,  
115.568

59, 40.702,  
114.971

59, 48.017,  
114.469

58, 54.561,  
114.125

58, 59.984,  
114.020

58, 63.924,  
114.239

57, 66.539,  
114.747

57, 66.663,  
114.771

116.213

61, 16.447,  
116.884

61, 8.037, 117.551

62, 0.415, 298.175

62, 8.867, 298.827

63, 17.292,  
299.425

64, 25.668,  
299.989

65, 33.980,  
300.519

66, 42.216,  
301.013

67, 50.365,



# Harmonies

# Complementary

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



60, 24.757, 116.213



47, 26.387, 300.516

# Rectangle

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



60, 24.757, 116.213



60, 24.757, 166.213



60, 24.757, 296.213



60, 24.757, 346.213

# Sweetspot

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



60, 24.758, 116.216



78, 9.411, 117.573



51, 16.177, 39.206



41, 6.520, 117.485



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



60, 24.758, 116.216



76, 36.196, 115.811



58, 27.726, 134.368



31, 4.738, 117.572



53, 62.894, 114.693



2, 4.161, 118.169



# Inverse Universe

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



47, 26.387, 300.516



56, 39.189, 301.133



49, 28.328, 316.963



29, 4.833, 298.800



16, 83.103, 307.467



0, 4.162, 298.169



# Previews

## White Background



This preview shows how the CIELCh color 60, 24.757, 116.213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 24.757, 116.213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

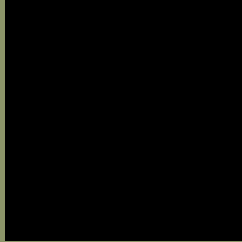
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

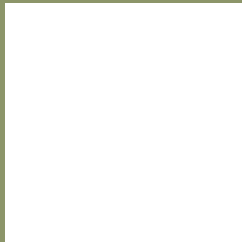
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 60, 24.757, 116.213

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 24.757, 116.213.



This preview shows how white text looks on a background with the CIELCh color 60, 24.757, 116.213.

# 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**  
60, 24.757, 116.213

**Protanopia**  
60, 23.521, 94.780

**Deuteranopia**  
60, 22.541, 70.054





**Tritanopia**  
60, 6.424, 304.528

# Trichromacy



**Original Color**  
60, 24.757, 116.213

**Protanomaly**  
60, 23.478, 103.292

**Deuteranomaly**  
60, 21.546, 87.924

**Tritanomaly**  
60, 5.081, 114.064

# Monochromacy



**Original Color**  
60, 24.757, 116.213

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 9.101, 116.766

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 24.757, 116.213 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(140, 149, 105)` looks like.

```
.text, #text, p{  
    color:rgb(140, 149, 105)  
}
```

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(140, 149, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 149, 105) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 24.757, 116.213 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(140, 149, 105) }
```

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

```
.border{ border-color:rgb(140, 149, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 149, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 149, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 149, 105);  
box-shadow:4px 4px 4px 4px rgb(140, 149,  
105) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 24.757, 116.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 149, 105) }
```

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

```
.background{ background-color: rgb(140,  
149, 105) }
```

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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