

# Converting Colors

CIELCh(60, 23.406, 110.418)

Have a look what the booklet for  
CIELCh(60, 23.406, 110.418)  
contains.

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**Color**

**CIELCh(60, 23.407, 110.619)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91946A
RGB	145, 148, 106
RGB Percent	57%, 58%, 42%
CMY	0.4325, 0.4207, 0.5853
CMYK	0.02, 0.00, 0.28, 0.42
HSL	64°, 17%, 50%
HSV	64°, 28%, 58%
XYZ	24.7629, 28.1233, 17.6874
YIQ	142.3150, 11.6940, -13.6980

# Conversions

## Conversions Part 2

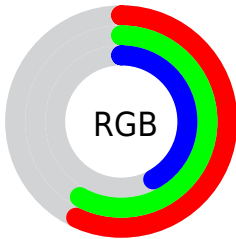
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 148, 109
Decimal	9540714
CIE <sub>Lab</sub>	60.00, -8.24, 21.91
CIE <sub>LCh</sub>	60, 23.407, 110.619
Yxy	28.1233, 0.3509, 0.3985
Android (android.graphics.Color)	4287730794 (0xFF91946A)
YUV	142.3150, -17.9033, 2.3547
Hunter-Lab	53.0314, -9.4548, 17.3472

# Details

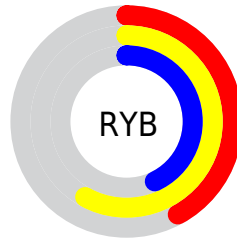
The CIELCh color  $60, 23.407, 110.619$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $46, 25.001, 295.908$ , and the grayscale version is  $59, 0.008, 296.813$ .

A 20% lighter version of the original color is  $80, 23.223, 110.990$ , and  $40, 23.259, 110.038$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 31.391, 109.802$ , and if you desaturate by 10%, it is  $60, 15.247, 111.460$ .

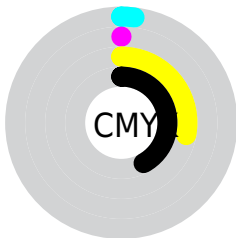
# Distribution



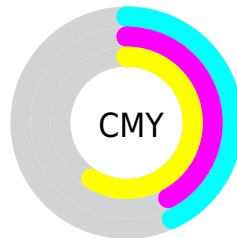
- Red (57%)
- Green (58%)
- Blue (42%)



- Red (42%)
- Yellow (58%)
- Blue (43%)



- Cyan (2%)
- Magenta (0%)
- Yellow (28%)
- Black (42%)




- Cyan (43%)
- Magenta (42%)
- Yellow (59%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 23.407, 110.619 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, 23.407, 110.619 by changing the saturation by 10% instead.





 60, 23.407,  
110.619


 60, 23.407,  
110.619


 100, 23.407,  
110.619


 50, 23.407,  
110.619


 80, 23.407,  
110.619

 40, 23.407,  
110.619

 90, 23.407,  
110.619

 30, 23.407,  
110.619

 20, 23.407,  
110.619

 10, 23.407,  
110.619

 0, 23.407, 110.619

 60, 23.407,

 60, 23.407,

110.619

60, 31.391,  
109.802

59, 39.073,  
109.023

59, 46.269,  
108.319

59, 52.715,  
107.734

59, 58.062,  
107.321

59, 61.943,  
107.134

58, 64.382,  
107.169

58, 64.747,  
107.177

110.619

60, 15.247,  
111.460

61, 6.987, 112.295

61, 1.318, 293.145

62, 9.633, 293.925

62, 17.931,  
294.694

63, 26.194,  
295.428

64, 34.410,  
296.126

64, 42.566,  
296.785

65, 50.654,



# Harmonies

# Complementary

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



60, 23.407, 110.619



46, 25.001, 295.908

# Rectangle

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



60, 23.407, 110.619



60, 23.407, 160.619



60, 23.407, 290.619



60, 23.407, 340.619

# Sweetspot

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



60, 23.408, 110.622



77, 9.214, 112.232



50, 17.007, 26.838



41, 6.452, 112.121



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, 23.408, 110.622



76, 34.405, 110.105



58, 25.511, 130.111



31, 4.689, 112.230



55, 61.512, 107.150



3, 4.120, 112.992



# Inverse Universe

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



46, 25.001, 295.908



56, 37.387, 296.733



48, 26.352, 312.608



29, 4.789, 293.805



15, 84.217, 306.588



0, 4.121, 292.993



# Previews

## White Background



This preview shows how the CIELCh color 60, 23.407, 110.619 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, 23.407, 110.619 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

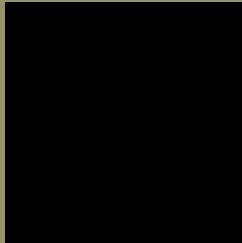
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 60, 23.407, 110.619**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 23.407, 110.619.



This preview shows how white text looks on a background with the CIELCh color 60, 23.407, 110.619.

# 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, 23.407, 110.619

### Protanopia

60, 22.883, 95.623

### Deuteranopia

60, 22.224, 70.945





**Tritanopia**  
60, 7.144, 319.641

# Trichromacy



**Original Color**  
60, 23.407, 110.619

**Protanomaly**  
60, 22.493, 101.030

**Deuteranomaly**  
60, 21.354, 85.332

**Tritanomaly**  
60, 4.910, 85.689

# Monochromacy



**Original Color**  
60, 23.407, 110.619

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 8.458, 111.931

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 23.407, 110.619 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(145, 148, 106)` looks like.

```
.text, #text, p{  
    color:rgb(145, 148, 106)  
}
```

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(145, 148, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 148, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 23.407, 110.619 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(145, 148, 106) }
```

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

```
.border{ border-color:rgb(145, 148, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 148, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 148, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 148, 106);  
box-shadow:4px 4px 4px 4px rgb(145, 148,  
106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 23.407, 110.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 148, 106) }
```

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

```
.background{ background-color: rgb(145,  
148, 106) }
```

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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