

# Converting Colors

CIELCh(64, 15.580, 102.445)

Have a look what the booklet for  
CIELCh(64, 15.580, 102.445)  
contains.

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**Color**

**CIELCh(64, 15.580, 102.445)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A09C80
RGB	160, 156, 128
RGB Percent	63%, 61%, 50%
CMY	0.3726, 0.3883, 0.4981
CMYK	0.00, 0.02, 0.20, 0.37
HSL	53°, 14%, 56%
HSV	53°, 20%, 63%
XYZ	30.2751, 32.8017, 25.1528
YIQ	154.0040, 11.3720, -7.8600

# Conversions

## Conversions Part 2

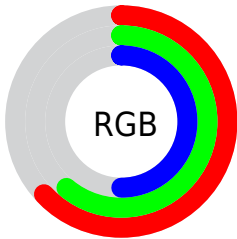
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 160, 128
Decimal	10525824
CIE <sub>Lab</sub>	64.00, -3.36, 15.21
CIE <sub>LCh</sub>	64, 15.580, 102.445
Yxy	32.8017, 0.3431, 0.3718
Android (android.graphics.Color)	4288715904 (0xFFA09C80)
YUV	154.0040, -12.8200, 5.2585
Hunter-Lab	57.2727, -5.8698, 14.0522

# Details

The CIELCh color  $64, 15.580, 102.445$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $56, 16.090, 286.974$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 15.319, 101.670$ , and  $44, 15.476, 102.944$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 23.347, 101.367$ , and if you desaturate by 10%, it is  $65, 7.782, 103.512$ .

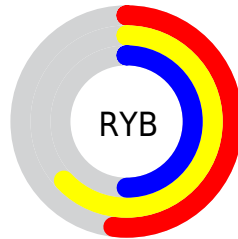
# Distribution



Red (63%)

Green (61%)

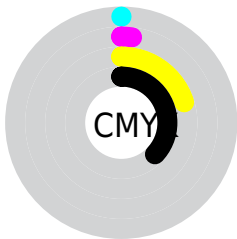
Blue (50%)



Red (52%)

Yellow (63%)

Blue (50%)

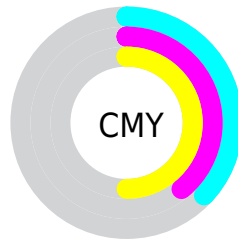


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (37%)



Cyan (37%)

Magenta (39%)


Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 15.580, 102.445 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 64, 15.580, 102.445 by changing the saturation by 10% instead.





 64, 15.580,  
102.445


 64, 15.580,  
102.445


 100, 15.580,  
102.445


 54, 15.580,  
102.445


 84, 15.580,  
102.445

 44, 15.580,  
102.445

 94, 15.580,  
102.445

 34, 15.580,  
102.445

 24, 15.580,  
102.445

 14, 15.580,  
102.445

 4, 15.580, 102.445

 0, 15.580, 102.445

64, 15.580,  
102.445

64, 15.580,  
102.445

63, 23.347,  
101.367

65, 7.782, 103.512

62, 31.010,  
100.275

66, 0.008, 297.414

67, 7.764, 285.588

62, 38.454, 99.187

68, 15.473,  
286.551

61, 45.490, 98.117

69, 23.126,  
287.478

60, 51.826, 97.079

59, 57.047, 96.082

70, 30.717,  
288.361

59, 60.671, 95.124

71, 38.245,  
289.201

58, 62.807, 94.191

72, 45.184,  
289.888

■ 73, 44.064,  
288.867

# Harmonies

# Complementary

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



64, 15.580, 102.445



56, 16.090, 286.974

# Rectangle

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



64, 15.580, 102.445



64, 15.580, 152.445



64, 15.580, 282.445



64, 15.580, 332.445

# Sweetspot

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



64, 15.581, 102.451



83, 5.800, 103.912



57, 13.214, 10.324



44, 3.840, 103.852



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



64, 15.581, 102.451



81, 23.247, 101.969



64, 18.310, 123.260



33, 4.357, 103.592



52, 57.836, 94.284



4, 5.564, 103.283



# Inverse Universe

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



56, 16.090, 286.974



69, 24.197, 287.619



56, 18.951, 305.388



31, 4.426, 285.597



17, 80.287, 304.062



1, 5.752, 284.893



# Previews

## White Background



This preview shows how the CIELCh color 64, 15.580, 102.445 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 64, 15.580, 102.445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

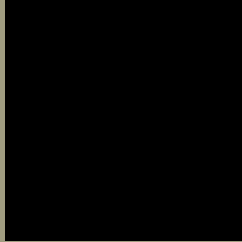
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 64, 15.580, 102.445**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 15.580, 102.445.



This preview shows how white text looks on a background with the CIELCh color 64, 15.580, 102.445.

# 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

64, 15.580, 102.445

### Protanopia

64, 15.950, 95.021

### Deuteranopia

64, 16.849, 61.105





**Tritanopia**  
64, 8.591, 329.076

# Trichromacy



**Original Color**  
64, 15.580, 102.445

**Protanomaly**  
64, 15.857, 96.480

**Deuteranomaly**  
64, 15.277, 75.950

**Tritanomaly**  
64, 4.244, 42.730

# Monochromacy



**Original Color**  
64, 15.580, 102.445

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 5.565, 105.517

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 15.580, 102.445 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(160, 156, 128)` looks like.

```
.text, #text, p{  
    color:rgb(160, 156, 128)  
}
```

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(160, 156, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 156, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 15.580, 102.445 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(160, 156, 128) }
```

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

```
.border{ border-color:rgb(160, 156, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 156, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 156, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 156, 128);  
box-shadow:4px 4px 4px 4px rgb(160, 156,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 15.580, 102.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 156, 128) }
```

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

```
.background{ background-color: rgb(160,  
156, 128) }
```

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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