

# Converting Colors

CIELCh(60, 7.384, 298.235)

Have a look what the booklet for  
CIELCh(60, 7.384, 298.235) contains.

<b>CIELCh(60, 7.455, 299.716)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(60, 7.455, 299.716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	928F9C
RGB	146, 143, 156
RGB Percent	57%, 56%, 61%
CMY	0.4278, 0.4395, 0.3885
CMYK	0.06, 0.08, 0.00, 0.39
HSL	254°, 6%, 59%
HSV	254°, 8%, 61%
XYZ	27.6453, 28.1233, 35.3887
YIQ	145.3790, -2.3850, 4.6790

# Conversions

## Conversions Part 2

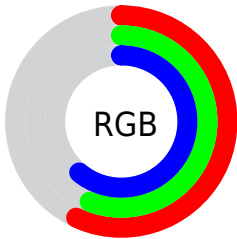
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 143, 156
Decimal	9605020
CIE Lab	60.00, 3.70, -6.47
CIE LCh	60, 7.455, 299.716
Yxy	28.1233, 0.3033, 0.3085
Android (android.graphics.Color)	4287795100 (0xFF928F9C)
YUV	145.3790, 5.2362, 0.5446
Hunter-Lab	53.0314, 0.2469, -2.4431

# Details

The CIELCh color  $60, 7.455, 299.716$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 7.322, 118.653$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $80, 7.032, 299.578$ , and  $40, 7.441, 300.612$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 16.693, 300.454$ , and if you desaturate by 10%, it is  $65, 1.453, 119.082$ .

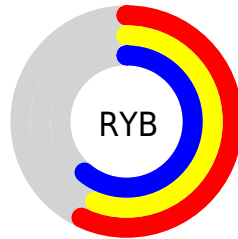
# Distribution



Red (57%)

Green (56%)

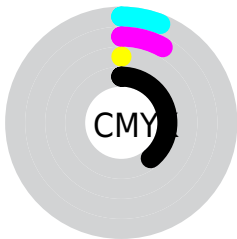
Blue (61%)



Red (57%)

Yellow (56%)

Blue (61%)

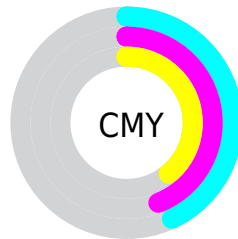


Cyan (6%)

Magenta (8%)

Yellow (0%)

Black (39%)



Cyan (43%)

Magenta (44%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 7.455, 299.716 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, 7.455, 299.716 by changing the saturation by 10% instead.



■ 60, 7.455, 299.716

■ 60, 7.455, 299.716

■ 100, 7.455,  
299.716

■ 50, 7.455, 299.716

■ 80, 7.455, 299.716

■ 40, 7.455, 299.716

■ 90, 7.455, 299.716

■ 30, 7.455, 299.716

■ 20, 7.455, 299.716

■ 10, 7.455, 299.716

■ 0, 7.455, 299.716

■ 60, 7.455, 299.716

■ 60, 7.455, 299.716

■ 55, 16.693,  
300.454

■ 65, 1.453, 119.082

■ 70, 10.041,

50, 26.272,  
301.299

118.512

44, 36.182,  
302.251

75, 18.329,  
118.029

39, 46.370,  
303.301

81, 26.336,  
117.613

34, 56.701,  
304.418

86, 34.080,  
117.254

30, 66.882,  
305.536

91, 41.576,  
116.945

25, 76.351,  
306.534

96, 48.841,  
116.680

22, 84.212,  
307.232

97, 49.601,  
112.361

19, 89.854,  
307.558

98, 49.310,  
106.917

# Harmonies

# Complementary

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



60, 7.455, 299.716



64, 7.322, 118.653

# Rectangle

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



60, 7.455, 299.716



60, 7.455, 349.716



60, 7.455, 119.716



60, 7.455, 169.716

# Sweetspot

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



60, 7.453, 299.711



79, 3.280, 299.355



63, 4.104, 221.825



42, 2.508, 299.406



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



60, 7.453, 299.711



75, 11.054, 299.842



61, 8.186, 316.581



31, 5.122, 299.776



17, 85.052, 307.696



1, 6.592, 298.713





# Inverse Universe

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



61, 7.571, 332.106



76, 11.206, 332.231



63, 8.128, 135.928



31, 5.198, 332.168



32, 63.053, 339.779



1, 6.592, 332.901



# Previews

## White Background



This preview shows how the CIELCh color 60, 7.455, 299.716 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 CIE LCh color 60, 7.455, 299.716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

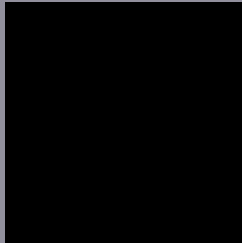
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

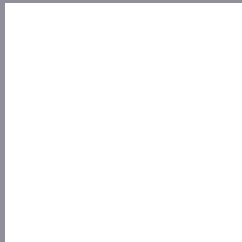
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 60, 7.455, 299.716**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 7.455, 299.716.

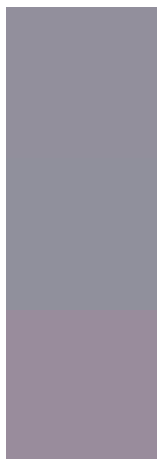


This preview shows how white text looks on a background with the CIELCh color 60, 7.455, 299.716.

# 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, 7.455, 299.716

### Protanopia

60, 6.781, 290.947

### Deuteranopia

60, 10.363, 319.614



**Tritanopia**  
60, 6.342, 301.195



# Trichromacy



**Original Color**  
60, 7.455, 299.716

**Protanomaly**  
60, 6.797, 294.115

**Deuteranomaly**  
60, 9.190, 312.864

**Tritanomaly**  
60, 6.898, 300.391

# Monochromacy



**Original Color**  
60, 7.455, 299.716

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 2.861, 298.213

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 7.455, 299.716 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(146, 143, 156)` looks like.

```
.text, #text, p{  
    color:rgb(146, 143, 156)  
}
```

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(146, 143, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 143, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 7.455, 299.716 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(146, 143, 156) }
```

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

```
.border{ border-color:rgb(146, 143, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 143, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 143, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 143, 156);  
box-shadow:4px 4px 4px 4px rgb(146, 143,  
156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 7.455, 299.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 143, 156) }
```

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

```
.background{ background-color: rgb(146,  
143, 156) }
```

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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