

# Converting Colors

CIELCh(61, 16.840, 243.597)

Have a look what the booklet for  
CIELCh(61, 16.840, 243.597)  
contains.

<b>CIELCh(61, 16.829, 243.565)</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(61, 16.829, 243.565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7398AD
RGB	115, 152, 173
RGB Percent	45%, 60%, 68%
CMY	0.5478, 0.4027, 0.3204
CMYK	0.33, 0.12, 0.00, 0.32
HSL	202°, 26%, 57%
HSV	202°, 33%, 68%
XYZ	25.9591, 29.2481, 43.9683
YIQ	143.3310, -28.7930, -1.3130

# Conversions

## Conversions Part 2

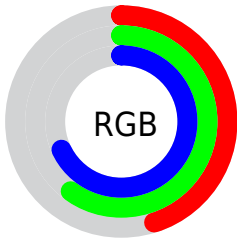
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 138, 173
Decimal	7575725
CIE <sub>Lab</sub>	61.00, -7.49, -15.07
CIE <sub>LCh</sub>	61, 16.829, 243.565
Yxy	29.2481, 0.2617, 0.2949
Android (android.graphics.Color)	4285765805 (0xFF7398AD)
YUV	143.3310, 14.6268, -24.8463
Hunter-Lab	54.0815, -8.9629, -10.3457

# Details

The CIELCh color `61, 16.829, 243.565` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `60, 19.994, 56.422`, and the grayscale version is `60, 0.008, 296.813`.

A 20% lighter version of the original color is `81, 16.603, 243.821`, and `41, 16.984, 244.415` is the 20% darker color. If you saturate the color by 10%, you get `58, 21.300, 245.527`, and if you desaturate by 10%, it is `64, 12.065, 241.972`.

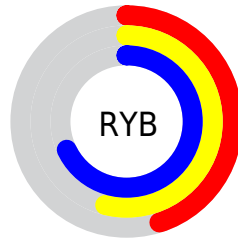
# Distribution



Red (45%)

Green (60%)

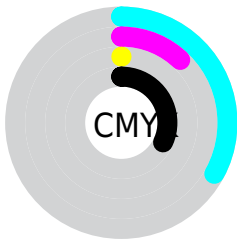
Blue (68%)



Red (45%)

Yellow (54%)

Blue (68%)

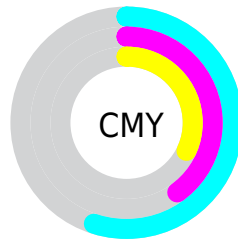


Cyan (33%)

Magenta (12%)

Yellow (0%)

Black (32%)



Cyan (55%)

Magenta (40%)


Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 16.829, 243.565 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 61, 16.829, 243.565 by changing the saturation by 10% instead.





 61, 16.829,  
243.565


 61, 16.829,  
243.565


 100, 16.829,  
243.565


 51, 16.829,  
243.565


 81, 16.829,  
243.565

 41, 16.829,  
243.565

 91, 16.829,  
243.565

 31, 16.829,  
243.565

 21, 16.829,  
243.565

 11, 16.829,  
243.565

 1, 16.829, 243.565

 0, 16.829, 243.565

61, 16.829,  
243.565

61, 16.829,  
243.565

58, 21.300,  
245.527

64, 12.065,  
241.972

56, 25.439,  
247.944

67, 7.056, 240.697

53, 29.226,  
250.892

70, 1.850, 239.807

73, 3.510, 58.593

50, 32.671,  
254.436

76, 8.984, 57.954

48, 35.832,  
258.604

79, 14.539, 57.384

82, 20.148, 56.901

46, 38.818,  
263.343

85, 25.789, 56.494

45, 40.794,  
266.509

87, 26.311, 64.400

# Harmonies

# Complementary

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



61, 16.829, 243.565



60, 19.994, 56.422

# Rectangle

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



61, 16.829, 243.565



61, 16.829, 293.565



61, 16.829, 63.565



61, 16.829, 113.565

# Sweetspot

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



61, 16.828, 243.562



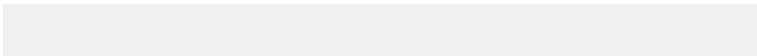
86, 6.499, 240.343



66, 30.231, 153.551



45, 4.418, 240.484



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



61, 16.828, 243.562



75, 24.365, 244.939



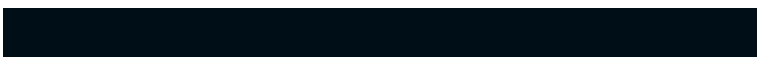
53, 28.585, 287.866



35, 2.988, 240.256



39, 36.477, 265.868



4, 6.653, 250.652





# Inverse Universe

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



56, 30.480, 339.530



67, 44.753, 340.206



67, 27.123, 99.558



34, 5.110, 337.539



33, 60.234, 349.248



2, 10.005, 341.411



# Previews

## White Background



This preview shows how the CIELCh color 61, 16.829, 243.565 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 61, 16.829, 243.565 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

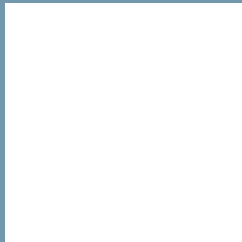
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 61, 16.829, 243.565**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 16.829, 243.565.



This preview shows how white text looks on a background with the CIELCh color 61, 16.829, 243.565.

# 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**  
61, 16.829, 243.565

**Protanopia**  
61, 12.980, 286.830

**Deuteranopia**  
61, 18.151, 296.670



**Tritanopia**  
61, 15.098, 225.076



# Trichromacy



**Original Color**  
61, 16.829, 243.565

**Protanomaly**  
61, 13.840, 269.148

**Deuteranomaly**  
61, 16.143, 278.121

**Tritanomaly**  
61, 15.754, 233.553

# Monochromacy



**Original Color**  
61, 16.829, 243.565

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 6.520, 243.090

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 16.829, 243.565 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(115, 152, 173)` looks like.

```
.text, #text, p{  
    color:rgb(115, 152, 173)  
}
```

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(115, 152, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 152, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 16.829, 243.565 is called "border". The border property can be set on classes, ids or directly on the HTML element.

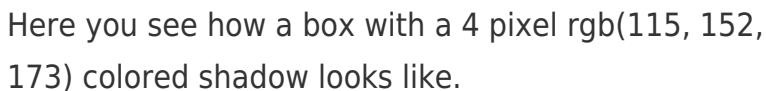
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 152, 173) }
```

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

```
.border{ border-color:rgb(115, 152, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 152, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 152, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 152, 173);  
box-shadow:4px 4px 4px 4px rgb(115, 152,  
173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 16.829, 243.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 152, 173) }
```

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

```
.background{ background-color: rgb(115,  
152, 173) }
```

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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