

Converting Colors

CIELCh(57, 16.629, 245.452)

Have a look what the booklet for
CIELCh(57, 16.629, 245.452)
contains.

CIELCh(57, 16.725, 244.659)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 16.725, 244.659)

Conversions

Conversions Part 1

Format	Color
Hex	6A8EA3
RGB	106, 142, 163
RGB Percent	42%, 56%, 64%
CMY	0.5856, 0.4444, 0.3621
CMYK	0.35, 0.13, 0.00, 0.36
HSL	202°, 24%, 53%
HSV	202°, 35%, 64%
XYZ	22.1080, 24.9227, 38.1348
YIQ	133.6300, -28.1970, -1.1010

Conversions

Conversions Part 2

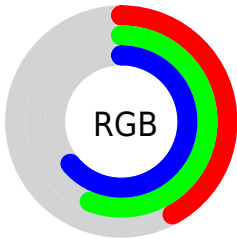
Format	Color
R _Y B	106, 128, 163
Decimal	6983331
CIE Lab	57.00, -7.16, -15.12
CIE LCh	57, 16.725, 244.659
Yxy	24.9227, 0.2596, 0.2926
Android (android.graphics.Color)	4285173411 (0xFF6A8EA3)
YUV	133.6300, 14.4794, -24.2315
Hunter-Lab	49.9226, -8.3165, -10.3445

Details

The CIELCh color $57, 16.725, 244.659$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $56, 19.965, 56.996$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 16.705, 244.000$, and $37, 16.686, 243.375$ is the 20% darker color. If you saturate the color by 10%, you get $54, 20.960, 246.695$, and if you desaturate by 10%, it is $60, 12.215, 243.000$.

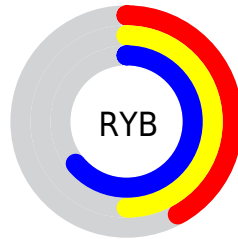
Distribution



Red (42%)

Green (56%)

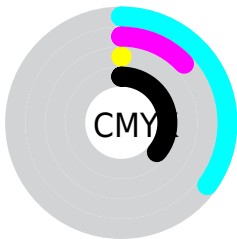
Blue (64%)



Red (42%)

Yellow (50%)

Blue (64%)

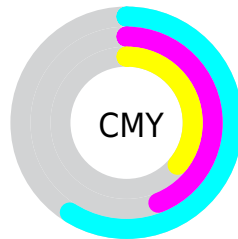


Cyan (35%)

Magenta (13%)

Yellow (0%)

Black (36%)



Cyan (59%)


Magenta (44%)


Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 16.725, 244.659 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 57, 16.725, 244.659 by changing the saturation by 10% instead.


 57, 16.725,
244.659


 57, 16.725,
244.659


 100, 16.725,
244.659


 47, 16.725,
244.659


 77, 16.725,
244.659

 37, 16.725,
244.659

 87, 16.725,
244.659

 27, 16.725,
244.659

 97, 16.725,
244.659

 17, 16.725,
244.659

 7, 16.725, 244.659

 0, 16.725, 244.659

57, 16.725,
244.659

57, 16.725,
244.659

54, 20.960,
246.695

60, 12.215,
243.000

52, 24.888,
249.192

63, 7.473, 241.665

65, 2.544, 240.661

49, 28.493,
252.223

68, 2.531, 59.438

47, 31.792,
255.849

71, 7.717, 58.794

45, 34.846,
260.083

74, 12.981, 58.194

77, 18.297, 57.683

43, 37.766,
264.852

80, 23.644, 57.251

42, 39.258,
267.194

83, 29.005, 56.883

Harmonies

Complementary

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



57, 16.725, 244.659



56, 19.965, 56.996

Rectangle

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



57, 16.725, 244.659



57, 16.725, 294.659



57, 16.725, 64.659



57, 16.725, 114.659

Sweetspot

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



57, 16.724, 244.656



81, 6.818, 241.232



62, 29.632, 154.102



43, 4.608, 241.372



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



57, 16.724, 244.656



70, 24.366, 246.199



49, 29.052, 288.940



33, 2.846, 241.032



37, 35.913, 266.662



3, 4.583, 246.968

Inverse Universe

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



52, 30.159, 339.956



63, 44.549, 340.698



64, 27.376, 100.346



32, 4.837, 337.812



31, 58.578, 349.657



1, 7.167, 339.845

Previews

White Background



This preview shows how the CIELCh color 57, 16.725, 244.659 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 57, 16.725, 244.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

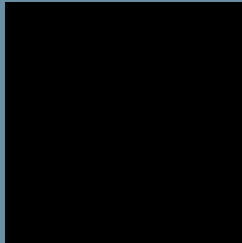
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

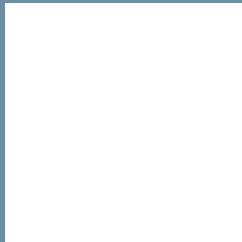
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 16.725, 244.659

Background



This preview shows how black text looks on a background with the CIELCh color 57, 16.725, 244.659.



This preview shows how white text looks on a background with the CIELCh color 57, 16.725, 244.659.

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

57, 16.725, 244.659

Protanopia

57, 13.164, 286.958

Deuteranopia

57, 17.789, 295.710



Tritanopia
57, 14.904, 225.833

Trichromacy



Original Color
57, 16.725, 244.659

Protanomaly
57, 14.017, 269.391

Deuteranomaly
57, 16.342, 278.328

Tritanomaly
57, 15.324, 232.560

Monochromacy



Original Color
57, 16.725, 244.659

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 6.598, 243.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 16.725, 244.659 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(106, 142, 163)` looks like.

```
.text, #text, p{  
    color:rgb(106, 142, 163)  
}
```

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(106, 142, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 142, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 16.725, 244.659 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(106, 142, 163) }
```

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

```
.border{ border-color:rgb(106, 142, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 142, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 142, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 142, 163);  
box-shadow:4px 4px 4px 4px rgb(106, 142,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 16.725, 244.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 142, 163) }
```

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

```
.background{ background-color: rgb(106,  
142, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor