

Converting Colors

CIELCh(57, 18.525, 264.131)

Have a look what the booklet for
CIELCh(57, 18.525, 264.131)
contains.

CIELCh(57, 18.782, 265.377)	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, 18.782, 265.377)

Conversions

Conversions Part 1

Format	Color
Hex	728BA9
RGB	114, 139, 169
RGB Percent	45%, 55%, 66%
CMY	0.5528, 0.4547, 0.3371
CMYK	0.33, 0.18, 0.00, 0.34
HSL	213°, 24%, 56%
HSV	213°, 33%, 66%
XYZ	23.3480, 24.9227, 41.1359
YIQ	134.9450, -24.5300, 4.0300

Conversions

Conversions Part 2

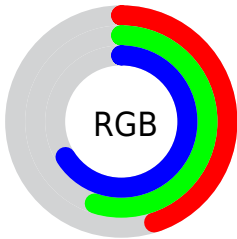
Format	Color
RYB	114, 131, 169
Decimal	7506857
CIELab	57.00, -1.51, -18.72
CIElCh	57, 18.782, 265.377
Yxy	24.9227, 0.2611, 0.2788
Android (android.graphics.Color)	4285696937 (0xFF728BA9)
YUV	134.9450, 16.7891, -18.3688
Hunter-Lab	49.9226, -3.8830, -13.9088

Details

The CIELCh color $57, 18.782, 265.377$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $61, 20.026, 76.032$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 18.815, 265.686$, and $37, 18.890, 266.149$ is the 20% darker color. If you saturate the color by 10%, you get $53, 24.490, 267.605$, and if you desaturate by 10%, it is $61, 13.036, 263.487$.

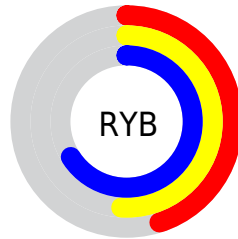
Distribution



Red (45%)

Green (55%)

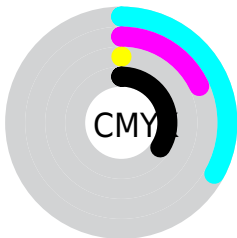
Blue (66%)



Red (45%)

Yellow (51%)

Blue (66%)

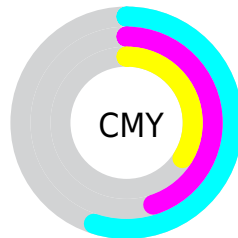


Cyan (33%)

Magenta (18%)

Yellow (0%)

Black (34%)



Cyan (55%)


Magenta (45%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 18.782, 265.377 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, 18.782, 265.377 by changing the saturation by 10% instead.


 57, 18.782,
265.377


 57, 18.782,
265.377


 100, 18.782,
265.377

 47, 18.782,
265.377


 77, 18.782,
265.377

 37, 18.782,
265.377

 87, 18.782,
265.377

 27, 18.782,
265.377

 97, 18.782,
265.377

 17, 18.782,
265.377

 7, 18.782, 265.377

 0, 18.782, 265.377

■ 57, 18.782,
265.377

■ 57, 18.782,
265.377

■ 53, 24.490,
267.605

■ 61, 13.036,
263.487

■ 50, 30.162,
270.228

■ 65, 7.262, 261.897

■ 68, 1.475, 260.686

■ 46, 35.815,
273.284

■ 72, 4.311, 79.246

■ 43, 41.486,
276.782

■ 76, 10.082, 78.274

■ 40, 47.234,
280.681

■ 80, 15.826, 77.407

■ 83, 21.531, 76.644

■ 36, 53.118,
284.861

■ 87, 27.189, 75.971

■ 34, 57.641,
287.912

■ 90, 30.482, 82.413

Harmonies

Complementary

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



57, 18.782, 265.377



61, 20.026, 76.032

Rectangle

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



57, 18.782, 265.377



57, 18.782, 315.377



57, 18.782, 85.377



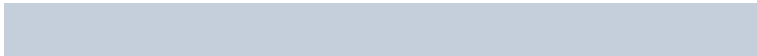
57, 18.782, 135.377

Sweetspot

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



57, 18.781, 265.375



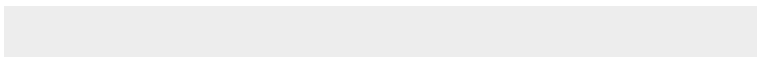
83, 7.162, 261.564



65, 24.923, 162.418



43, 4.878, 261.752



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



57, 18.781, 265.375



69, 27.772, 266.934



50, 32.214, 295.257



34, 3.268, 261.442



30, 51.661, 287.406



2, 6.331, 266.219

Inverse Universe

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



54, 25.931, 349.357



66, 38.441, 350.266



68, 29.777, 108.565



33, 4.396, 346.918



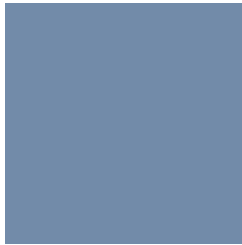
31, 56.258, 5.455



2, 7.605, 349.955

Previews

White Background



This preview shows how the CIELCh color 57, 18.782, 265.377 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, 18.782, 265.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

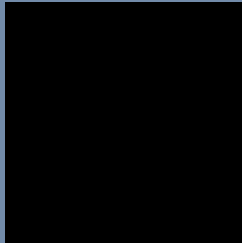
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

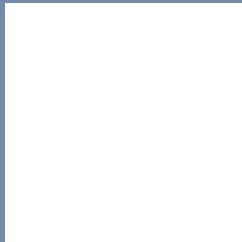
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 18.782, 265.377

Background



This preview shows how black text looks on a background with the CIELCh color 57, 18.782, 265.377.

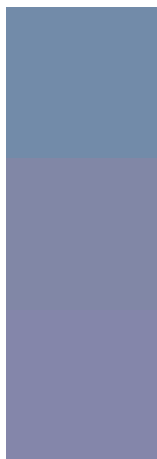


This preview shows how white text looks on a background with the CIELCh color 57, 18.782, 265.377.

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, 18.782, 265.377

Protanopia

57, 17.780, 285.404

Deuteranopia

57, 20.565, 290.607



Tritanopia
57, 12.749, 228.155

Trichromacy



Original Color
57, 18.782, 265.377

Protanomaly
57, 18.062, 278.870

Deuteranomaly
57, 19.659, 281.288

Tritanomaly
57, 14.351, 244.691

Monochromacy



Original Color
57, 18.782, 265.377

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 7.062, 262.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 18.782, 265.377 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(114, 139, 169)` looks like.

```
.text, #text, p{  
    color:rgb(114, 139, 169)  
}
```

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(114, 139, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 139, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 18.782, 265.377 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(114, 139, 169) }
```

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

```
.border{ border-color:rgb(114, 139, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 139, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 139, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 139, 169);  
box-shadow:4px 4px 4px 4px rgb(114, 139,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 18.782, 265.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 139, 169) }
```

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

```
.background{ background-color: rgb(114,  
139, 169) }
```

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