

Converting Colors

CIELCh(63, 12.704, 215.638)

Have a look what the booklet for
CIELCh(63, 12.704, 215.638)
contains.

CIELCh(63, 12.516, 216.782)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 12.516, 216.782)

Conversions

Conversions Part 1

Format	Color
Hex	7C9EA5
RGB	124, 158, 165
RGB Percent	49%, 62%, 65%
CMY	0.5126, 0.3792, 0.3518
CMYK	0.25, 0.04, 0.00, 0.35
HSL	190°, 19%, 57%
HSV	190°, 25%, 65%
XYZ	27.4483, 31.5869, 40.3878
YIQ	148.6320, -22.5110, -5.0310

Conversions

Conversions Part 2

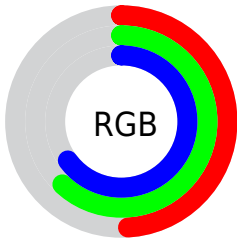
Format	Color
RYB	124, 143, 165
Decimal	8167077
CIELab	63.00, -10.02, -7.49
CIElCh	63, 12.516, 216.782
Yxy	31.5869, 0.2761, 0.3177
Android (android.graphics.Color)	4286357157 (0xFF7C9EA5)
YUV	148.6320, 8.0694, -21.6023
Hunter-Lab	56.2022, -11.1774, -3.2652

Details

The CIELCh color $63, 12.516, 216.782$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $58, 14.793, 36.189$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 12.704, 215.638$, and $43, 12.487, 215.029$ is the 20% darker color. If you saturate the color by 10%, you get $61, 16.920, 217.290$, and if you desaturate by 10%, it is $65, 7.706, 216.455$.

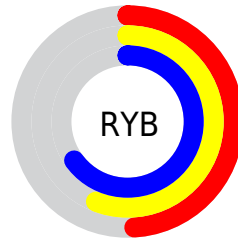
Distribution



Red (49%)

Green (62%)

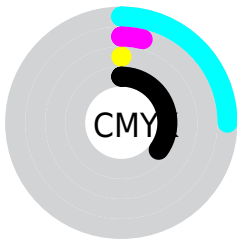
Blue (65%)



Red (49%)

Yellow (56%)

Blue (65%)

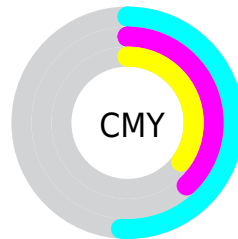


Cyan (25%)

Magenta (4%)

Yellow (0%)

Black (35%)



Cyan (51%)


Magenta (38%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 12.516, 216.782 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 63, 12.516, 216.782 by changing the saturation by 10% instead.


 63, 12.516,
216.782


 63, 12.516,
216.782


 100, 12.516,
216.782


 53, 12.516,
216.782


 83, 12.516,
216.782

 43, 12.516,
216.782


 93, 12.516,
216.782

 33, 12.516,
216.782

 23, 12.516,
216.782

 13, 12.516,
216.782

 3, 12.516, 216.782

 0, 12.516, 216.782

63, 12.516,
216.782

63, 12.516,
216.782

61, 16.920,
217.290

65, 7.706, 216.455

60, 20.835,
218.035

67, 2.568, 216.375

69, 2.827, 35.927

58, 24.185,
219.061

71, 8.417, 36.031

57, 26.905,
220.432

73, 14.149, 36.111

76, 19.982, 36.228

55, 28.960,
222.216

78, 25.879, 36.376

54, 30.356,
224.485

80, 31.207, 36.802

81, 30.602, 39.808

53, 31.160,
227.292

53, 31.481,

228.851

Harmonies

Complementary

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



63, 12.516, 216.782



58, 14.793, 36.189

Rectangle

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



63, 12.516, 216.782



63, 12.516, 266.782



63, 12.516, 36.782



63, 12.516, 86.782

Sweetspot

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



63, 12.516, 216.776



84, 4.589, 216.352



64, 24.812, 147.657



44, 2.973, 216.352



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 12.516, 216.776



79, 18.310, 217.046



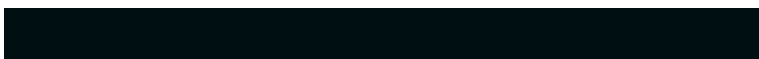
57, 16.159, 274.726



34, 2.957, 216.362



46, 28.644, 228.459



3, 4.597, 221.158

Inverse Universe

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



57, 24.819, 331.027



70, 37.023, 331.393



63, 16.247, 88.011



32, 5.569, 330.049



33, 66.710, 336.241



1, 8.352, 331.029

Previews

White Background



This preview shows how the CIELCh color 63, 12.516, 216.782 looks on a white background.

Color Contrast Check

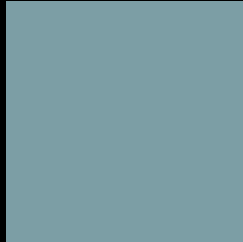
Large Text (above 18pt) WCAG AA × Fail

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 63, 12.516, 216.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

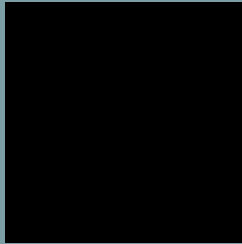
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

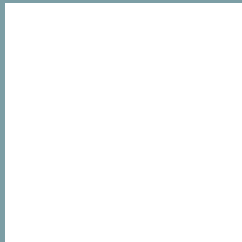
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 12.516, 216.782

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.516, 216.782.



This preview shows how white text looks on a background with the CIELCh color 63, 12.516, 216.782.

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

63, 12.516, 216.782

Protanopia

63, 5.622, 294.621

Deuteranopia

63, 11.606, 313.983



Tritanopia
63, 13.123, 229.486

Trichromacy



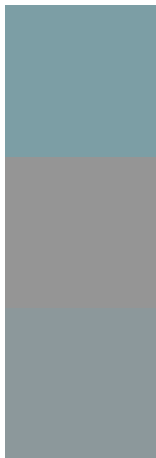
Original Color
63, 12.516, 216.782

Protanomaly
63, 6.614, 248.909

Deuteranomaly
63, 8.012, 277.786

Tritanomaly
63, 12.691, 224.817

Monochromacy



Original Color
63, 12.516, 216.782

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 4.765, 219.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.516, 216.782 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(124, 158, 165)` looks like.

```
.text, #text, p{  
    color:rgb(124, 158, 165)  
}
```

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(124, 158, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 158, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.516, 216.782 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(124, 158, 165) }
```

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

```
.border{ border-color:rgb(124, 158, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 158, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 158, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 158, 165);  
box-shadow:4px 4px 4px 4px rgb(124, 158,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.516, 216.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 158, 165) }
```

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

```
.background{ background-color: rgb(124,  
158, 165) }
```

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