

Converting Colors

CIELCh(67, 12.699, 234.069)

Have a look what the booklet for
CIELCh(67, 12.699, 234.069)
contains.

CIELCh(67, 12.743, 233.163)	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(67, 12.743, 233.163)

Conversions

Conversions Part 1

Format	Color
Hex	89A8B5
RGB	137, 168, 181
RGB Percent	54%, 66%, 71%
CMY	0.4630, 0.3414, 0.2904
CMYK	0.24, 0.07, 0.00, 0.29
HSL	198°, 23%, 62%
HSV	198°, 24%, 71%
XYZ	32.6343, 36.6320, 49.0361
YIQ	160.2130, -22.6490, -2.5290

Conversions

Conversions Part 2

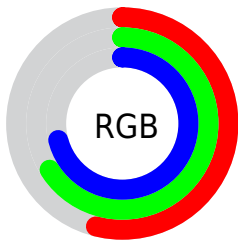
Format	Color
RYB	137, 155, 181
Decimal	9021621
CIELab	67.00, -7.64, -10.20
CIELCh	67, 12.743, 233.163
Yxy	36.6320, 0.2759, 0.3096
Android (android.graphics.Color)	4287211701 (0xFF89A8B5)
YUV	160.2130, 10.2480, -20.3578
Hunter-Lab	60.5244, -9.6717, -5.6690

Details

The CIELCh color `67, 12.743, 233.163` is a light color, and the websafe version is hex `669999`. A complement of this color would be `64, 14.693, 49.546`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 12.819, 233.850`, and `47, 12.673, 232.758` is the 20% darker color. If you saturate the color by 10%, you get `64, 17.463, 234.458`, and if you desaturate by 10%, it is `70, 7.690, 232.150`.

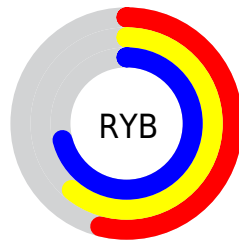
Distribution



Red (54%)

Green (66%)

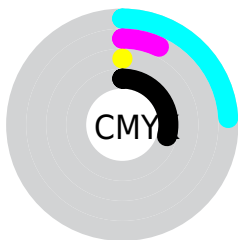
Blue (71%)



Red (54%)

Yellow (61%)

Blue (71%)

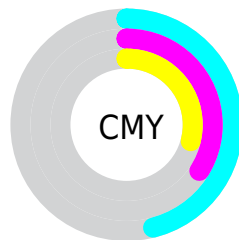


Cyan (24%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (46%)


Magenta (34%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 12.743, 233.163 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 67, 12.743, 233.163 by changing the saturation by 10% instead.


 67, 12.743,
233.163


 67, 12.743,
233.163


 100, 12.743,
233.163


 57, 12.743,
233.163


 87, 12.743,
233.163

 47, 12.743,
233.163

 97, 12.743,
233.163

 37, 12.743,
233.163

 27, 12.743,
233.163

 17, 12.743,
233.163

 7, 12.743, 233.163

 0, 12.743, 233.163

67, 12.743,
233.163

67, 12.743,
233.163

64, 17.463,
234.458

70, 7.690, 232.150

62, 21.786,
236.113

72, 2.369, 231.477

75, 3.164, 50.494

60, 25.653,
238.203

78, 8.857, 50.092

57, 29.026,
240.814

81, 14.668, 49.723

84, 20.561, 49.428

55, 31.898,
244.034

86, 23.501, 53.095

53, 34.319,
247.922

88, 23.489, 61.152

89, 23.948, 69.041

51, 36.397,
252.474

50, 37.552,

Harmonies

Complementary

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



67, 12.743, 233.163



64, 14.693, 49.546

Rectangle

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



67, 12.743, 233.163



67, 12.743, 283.163



67, 12.743, 53.163



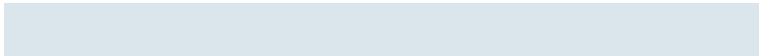
67, 12.743, 103.163

Sweetspot

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



67, 12.743, 233.157



90, 4.717, 231.607



70, 24.012, 151.784



48, 3.059, 231.643



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 12.743, 233.157



83, 18.498, 233.790



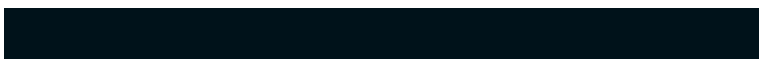
61, 19.587, 282.665



36, 3.042, 231.752



43, 32.988, 254.445



5, 7.580, 243.604

Inverse Universe

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



62, 24.010, 335.794



76, 35.367, 336.192



70, 19.130, 96.552



35, 5.489, 334.692



34, 63.403, 344.236



2, 12.251, 338.534

Previews

White Background



This preview shows how the CIELCh color 67, 12.743, 233.163 looks on a white background.

Color Contrast Check

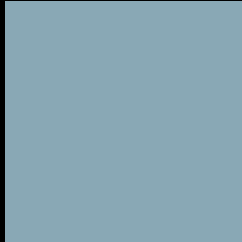
Large Text (above 18pt) WCAG AA × Fail

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 67, 12.743, 233.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

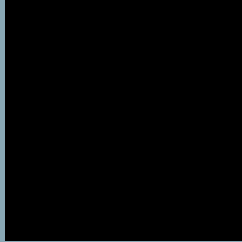
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

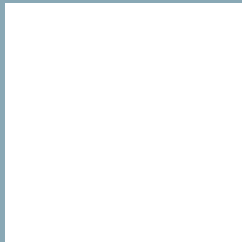
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 12.743, 233.163

Background



This preview shows how black text looks on a background with the CIELCh color 67, 12.743, 233.163.



This preview shows how white text looks on a background with the CIELCh color 67, 12.743, 233.163.

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](#).

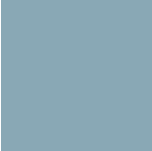
Dichromacy



Original Color
67, 12.743, 233.163

Protanopia
67, 8.297, 288.518

Deuteranopia
67, 14.473, 307.601



Tritanopia
67, 12.743, 233.163

Trichromacy



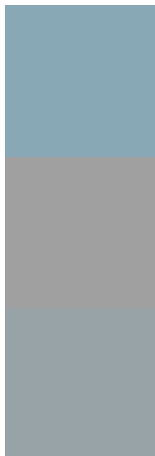
Original Color
67, 12.743, 233.163

Protanomaly
67, 8.764, 261.500

Deuteranomaly
67, 11.167, 282.094

Tritanomaly
67, 12.743, 233.163

Monochromacy



Original Color
67, 12.743, 233.163

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 4.864, 233.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 12.743, 233.163 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(137, 168, 181)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 181)  
}
```

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(137, 168, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 12.743, 233.163 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(137, 168, 181) }
```

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

```
.border{ border-color:rgb(137, 168, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 181);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 12.743, 233.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 181) }
```

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

```
.background{ background-color: rgb(137,  
168, 181) }
```

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