

Converting Colors

CIELCh(67, 12.126, 203.688)

Have a look what the booklet for
CIELCh(67, 12.126, 203.688)
contains.

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Color

CIELCh(67, 12.117, 203.691)

Conversions

Conversions Part 1

Format	Color
Hex	87A9AB
RGB	135, 169, 171
RGB Percent	53%, 66%, 67%
CMY	0.4693, 0.3359, 0.3281
CMYK	0.21, 0.01, 0.00, 0.33
HSL	183°, 18%, 60%
HSV	183°, 21%, 67%
XYZ	31.6774, 36.6320, 44.0971
YIQ	159.0620, -20.9060, -6.5860

Conversions

Conversions Part 2

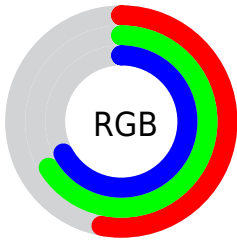
Format	Color
RYB	135, 152, 171
Decimal	8890795
CIELab	67.00, -11.10, -4.87
CIELCh	67, 12.117, 203.691
Yxy	36.6320, 0.2818, 0.3259
Android (android.graphics.Color)	4287080875 (0xFF87A9AB)
YUV	159.0620, 5.8854, -21.1024
Hunter-Lab	60.5244, -12.4937, -0.8307

Details

The CIELCh color $67, 12.117, 203.691$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $60, 13.937, 25.357$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 12.002, 203.663$, and $47, 12.241, 203.694$ is the 20% darker color. If you saturate the color by 10%, you get $66, 17.250, 203.476$, and if you desaturate by 10%, it is $68, 6.542, 203.994$.

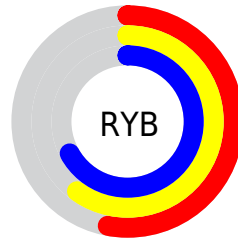
Distribution



Red (53%)

Green (66%)

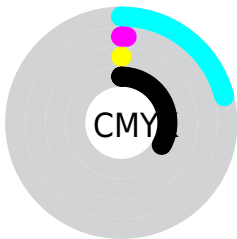
Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

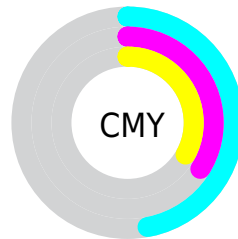


Cyan (21%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (47%)


Magenta (34%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 12.117, 203.691 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, 12.117, 203.691 by changing the saturation by 10% instead.


 67, 12.117,
203.691


 67, 12.117,
203.691


 100, 12.117,
203.691


 57, 12.117,
203.691


 87, 12.117,
203.691


 47, 12.117,
203.691


 97, 12.117,
203.691

 37, 12.117,
203.691

 27, 12.117,
203.691

 17, 12.117,
203.691

 7, 12.117, 203.691

 0, 12.117, 203.691

67, 12.117,
203.691

67, 12.117,
203.691

66, 17.250,
203.476

68, 6.542, 203.994

65, 21.843,
203.368

70, 0.618, 205.059

72, 5.572, 24.555

64, 25.804,
203.376

73, 11.953, 25.027

63, 29.053,
203.517

75, 18.465, 25.493

77, 25.056, 25.970

62, 31.538,
203.809

79, 31.581, 26.461

61, 33.242,
204.270

79, 31.273, 27.363

80, 30.974, 28.283

61, 34.197,
204.912

61, 34.597,

Harmonies

Complementary

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



67, 12.117, 203.691



60, 13.937, 25.357

Rectangle

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



67, 12.117, 203.691



67, 12.117, 253.691



67, 12.117, 23.691



67, 12.117, 73.691

Sweetspot

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



67, 12.117, 203.685



87, 4.452, 204.213



67, 23.497, 144.456



47, 2.972, 204.179



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 12.117, 203.685



84, 17.519, 203.581



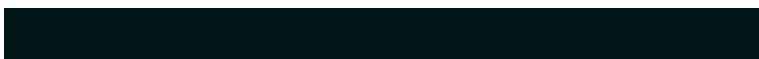
62, 12.351, 263.691



36, 3.410, 204.061



54, 31.462, 205.510



6, 7.218, 206.707

Inverse Universe

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



61, 23.433, 327.121



75, 34.395, 327.369



65, 12.829, 77.970



34, 6.346, 326.456



35, 74.694, 330.530



2, 13.110, 326.691

Previews

White Background



This preview shows how the CIELCh color 67, 12.117, 203.691 looks on a white background.

Color Contrast Check

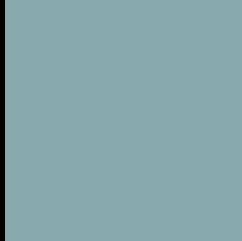
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 12.117, 203.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

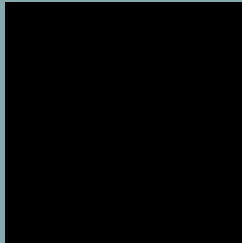
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 12.117, 203.691

Background



This preview shows how black text looks on a background with the CIELCh color 67, 12.117, 203.691.

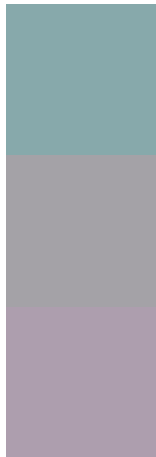


This preview shows how white text looks on a background with the CIELCh color 67, 12.117, 203.691.

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](#).

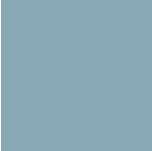
Dichromacy



Original Color
67, 12.117, 203.691

Protanopia
67, 2.880, 305.619

Deuteranopia
67, 10.529, 323.196



Tritanopia
67, 12.743, 233.163

Trichromacy



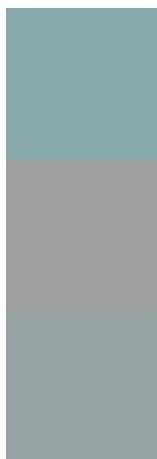
Original Color
67, 12.117, 203.691

Protanomaly
67, 4.583, 228.067

Deuteranomaly
67, 6.166, 280.508

Tritanomaly
67, 12.126, 222.926

Monochromacy



Original Color
67, 12.117, 203.691

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 4.843, 199.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 12.117, 203.691 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(135, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 169, 171)  
}
```

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(135, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 169, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 12.117, 203.691 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(135, 169, 171) }
```

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

```
.border{ border-color:rgb(135, 169, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 169, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 169,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 12.117, 203.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 169, 171) }
```

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

```
.background{ background-color: rgb(135,  
169, 171) }
```

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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