

Converting Colors

CIELCh(68, 17.587, 252.708)

Have a look what the booklet for
CIELCh(68, 17.587, 252.708)
contains.

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Color

CIELCh(68, 17.713, 253.178)

Conversions

Conversions Part 1

Format	Color
Hex	89AAC4
RGB	137, 170, 196
RGB Percent	54%, 67%, 77%
CMY	0.4634, 0.3340, 0.2320
CMYK	0.30, 0.13, 0.00, 0.23
HSL	206°, 33%, 65%
HSV	206°, 30%, 77%
XYZ	34.5800, 37.9720, 57.6323
YIQ	163.0970, -28.0140, 1.0900

Conversions

Conversions Part 2

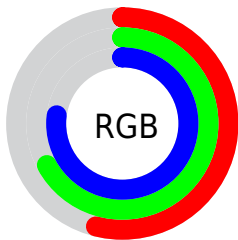
Format	Color
R _Y B	137, 158, 196
Decimal	9022148
CIE Lab	68.00, -5.13, -16.96
CIE LCh	68, 17.713, 253.178
Yxy	37.9720, 0.2656, 0.2917
Android (android.graphics.Color)	4287212228 (0xFF89AAC4)
YUV	163.0970, 16.2212, -22.8871
Hunter-Lab	61.6215, -7.6692, -12.3167

Details

The CIELCh color $68, 17.713, 253.178$ is a light color, and the websafe version is hex `6699CC`. A complement of this color would be $69, 19.858, 65.355$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 17.837, 254.362$, and $48, 17.613, 252.577$ is the 20% darker color. If you saturate the color by 10%, you get $64, 23.244, 255.276$, and if you desaturate by 10%, it is $72, 11.984, 251.438$.

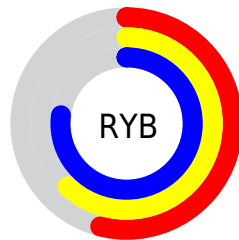
Distribution



Red (54%)

Green (67%)

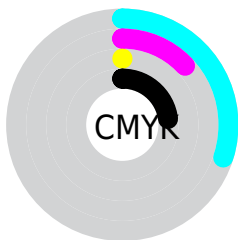
Blue (77%)



Red (54%)

Yellow (62%)

Blue (77%)

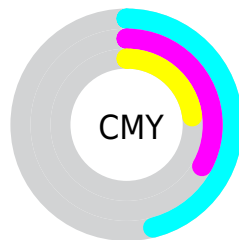


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (46%)


Magenta (33%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 17.713, 253.178 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 68, 17.713, 253.178 by changing the saturation by 10% instead.


 68, 17.713,
253.178


 68, 17.713,
253.178


 100, 17.713,
253.178


 58, 17.713,
253.178


 88, 17.713,
253.178

 48, 17.713,
253.178


 98, 17.713,
253.178

 38, 17.713,
253.178

 28, 17.713,
253.178

 18, 17.713,
253.178

 8, 17.713, 253.178

 0, 17.713, 253.178

68, 17.713,
253.178

68, 17.713,
253.178

64, 23.244,
255.276

72, 11.984,
251.438

61, 28.554,
257.807

75, 6.095, 250.018

79, 0.081, 253.759

58, 33.632,
260.835

83, 6.024, 67.650

54, 38.503,
264.406

87, 12.188, 66.822

51, 43.228,
268.522

90, 18.388, 66.098

93, 20.120, 80.662

48, 47.916,
273.107

95, 22.844, 92.801

46, 52.663,
277.806

97, 26.355,
101.930

Harmonies

Complementary

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



68, 17.713, 253.178



69, 19.858, 65.355

Rectangle

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



68, 17.713, 253.178



68, 17.713, 303.178



68, 17.713, 73.178



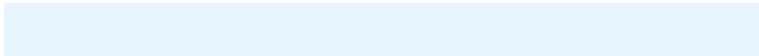
68, 17.713, 123.178

Sweetspot

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



68, 17.712, 253.175



96, 6.721, 249.896



74, 28.200, 157.563



50, 4.663, 250.081



0, 0.000, 0.000



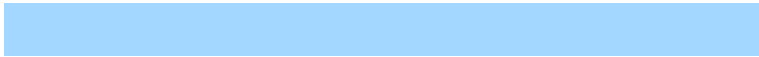
53, 0.007, 296.813

Same Dimension

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



68, 17.712, 253.175



84, 25.984, 254.483



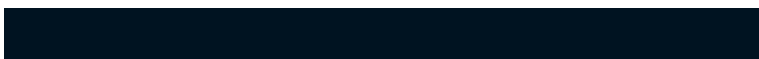
60, 31.106, 291.216



39, 3.387, 249.923



38, 44.882, 277.033



5, 12.025, 263.848

Inverse Universe

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



64, 28.802, 343.178



78, 42.617, 343.853



77, 29.219, 104.282



38, 5.302, 341.276



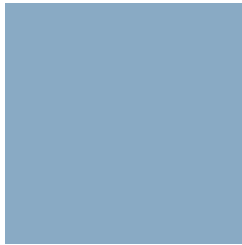
35, 60.984, 356.068



3, 16.406, 348.741

Previews

White Background



This preview shows how the CIELCh color 68, 17.713, 253.178 looks on a white background.

Color Contrast Check

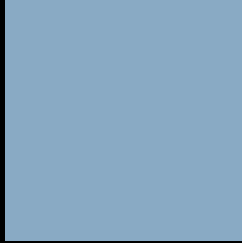
Large Text (above 18pt) WCAG AA × Fail

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 68, 17.713, 253.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

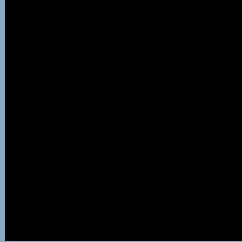
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

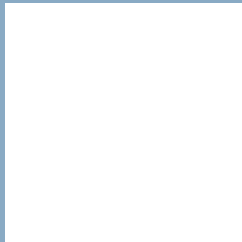
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 17.713, 253.178

Background



This preview shows how black text looks on a background with the CIELCh color 68, 17.713, 253.178.



This preview shows how white text looks on a background with the CIELCh color 68, 17.713, 253.178.

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
68, 17.713, 253.178

Protanopia
68, 15.473, 286.546

Deuteranopia
68, 19.943, 296.176



Tritanopia
68, 14.335, 228.655

Trichromacy



Original Color
68, 17.713, 253.178

Protanomaly
68, 15.510, 273.522

Deuteranomaly
68, 17.874, 280.892

Tritanomaly
68, 15.189, 239.657

Monochromacy



Original Color
68, 17.713, 253.178

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 6.953, 251.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 17.713, 253.178 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, 170, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 170, 196)  
}
```

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, 170, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 170, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 17.713, 253.178 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, 170, 196) }
```

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

```
.border{ border-color:rgb(137, 170, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 170, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 170, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 170, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 170,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 17.713, 253.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 170, 196) }
```

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

```
.background{ background-color: rgb(137,  
170, 196) }
```

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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