

Converting Colors

CIELCh(66, 18.255, 260.066)

Have a look what the booklet for
CIELCh(66, 18.255, 260.066)
contains.

CIELCh(66, 17.980, 259.049)	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(66, 17.980, 259.049)

Conversions

Conversions Part 1

Format	Color
Hex	87A4C0
RGB	135, 164, 192
RGB Percent	53%, 64%, 75%
CMY	0.4721, 0.3583, 0.2486
CMYK	0.30, 0.15, 0.00, 0.25
HSL	209°, 31%, 64%
HSV	209°, 30%, 75%
XYZ	32.6102, 35.3238, 54.7423
YIQ	158.5210, -26.2720, 2.5600

Conversions

Conversions Part 2

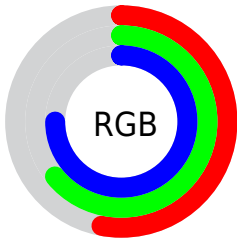
Format	Color
RYB	135, 154, 192
Decimal	8889536
CIELab	66.00, -3.42, -17.65
CIElCh	66, 17.980, 259.049
Yxy	35.3238, 0.2658, 0.2879
Android (android.graphics.Color)	4287079616 (0xFF87A4C0)
YUV	158.5210, 16.5051, -20.6279
Hunter-Lab	59.4338, -6.0696, -13.0061

Details

The CIELCh color $66, 17.980, 259.049$ is a light color, and the websafe version is hex `6699CC`. A complement of this color would be $69, 19.596, 70.819$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 17.816, 258.050$, and $46, 17.941, 258.856$ is the 20% darker color. If you saturate the color by 10%, you get $62, 23.820, 261.194$, and if you desaturate by 10%, it is $70, 12.021, 257.250$.

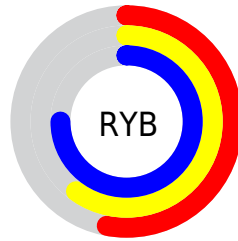
Distribution



Red (53%)

Green (64%)

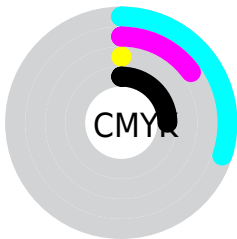
Blue (75%)



Red (53%)

Yellow (60%)

Blue (75%)

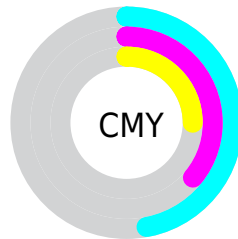


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (36%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 17.980, 259.049 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 66, 17.980, 259.049 by changing the saturation by 10% instead.

■ 66, 17.980,
259.049

■ 66, 17.980,
259.049

■ 100, 17.980,
259.049

■ 56, 17.980,
259.049

■ 86, 17.980,
259.049

■ 46, 17.980,
259.049

■ 96, 17.980,
259.049

■ 36, 17.980,
259.049

■ 26, 17.980,
259.049

■ 16, 17.980,
259.049

■ 6, 17.980, 259.049

■ 0, 17.980, 259.049

66, 17.980,
259.049

66, 17.980,
259.049

62, 23.820,
261.194

70, 12.021,
257.250

58, 29.528,
263.751

74, 5.968, 255.761

78, 0.153, 72.044

55, 35.108,
266.773

82, 6.318, 73.270

51, 40.589,
270.293

86, 12.503, 72.365

48, 46.035,
274.297

90, 18.690, 71.570

92, 21.882, 81.936

45, 51.538,
278.694

95, 24.940, 93.920

42, 57.213,
283.199

97, 28.827,
102.867

42, 57.365,

Harmonies

Complementary

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



66, 17.980, 259.049



69, 19.596, 70.819

Rectangle

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



66, 17.980, 259.049



66, 17.980, 309.049



66, 17.980, 79.049



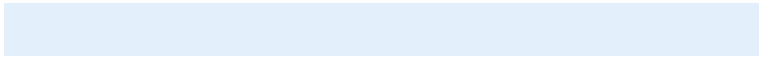
66, 17.980, 129.049

Sweetspot

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



66, 17.979, 259.046



94, 6.845, 255.683



73, 26.303, 160.058



49, 4.751, 255.879



99, 0.012, 296.813



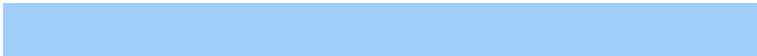
52, 0.007, 296.813

Same Dimension

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



66, 17.979, 259.046



81, 26.848, 260.474



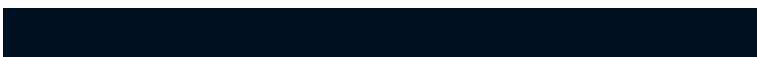
58, 31.850, 293.171



39, 3.507, 255.713



35, 49.700, 282.657



5, 12.700, 268.647

Inverse Universe

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



63, 27.068, 345.888



76, 40.674, 346.664



76, 29.719, 106.612



38, 5.122, 343.901



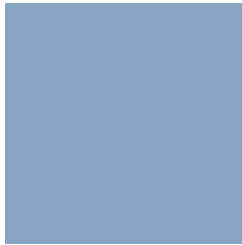
34, 60.143, 0.673



3, 15.910, 351.801

Previews

White Background



This preview shows how the CIELCh color 66, 17.980, 259.049 looks on a white background.

Color Contrast Check

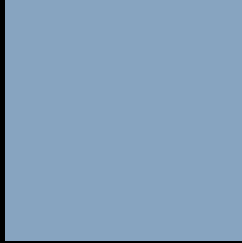
Large Text (above 18pt) WCAG AA × Fail

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 66, 17.980, 259.049 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

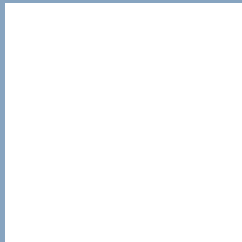
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 17.980, 259.049

Background



This preview shows how black text looks on a background with the CIELCh color 66, 17.980, 259.049.



This preview shows how white text looks on a background with the CIELCh color 66, 17.980, 259.049.

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


66, 17.980, 259.049

Protanopia

66, 16.138, 285.618

Deuteranopia

66, 20.607, 295.201



Tritanopia
66, 13.570, 230.822

Trichromacy



Original Color
66, 17.980, 259.049

Protanomaly
66, 16.114, 274.323

Deuteranomaly
66, 18.483, 282.436

Tritanomaly
66, 14.891, 244.012

Monochromacy



Original Color
66, 17.980, 259.049

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 6.579, 257.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 17.980, 259.049 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, 164, 192)` looks like.

```
.text, #text, p{  
    color:rgb(135, 164, 192)  
}
```

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, 164, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 164, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 17.980, 259.049 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, 164, 192) }
```

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

```
.border{ border-color:rgb(135, 164, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 164, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 164, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 164, 192);  
box-shadow:4px 4px 4px 4px rgb(135, 164,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 17.980, 259.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 164, 192) }
```

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

```
.background{ background-color: rgb(135,  
164, 192) }
```

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