

Converting Colors

CIELCh(65, 17.070, 257.658)

Have a look what the booklet for
CIELCh(65, 17.070, 257.658)
contains.

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Color

CIELCh(65, 16.972, 257.773)

Conversions

Conversions Part 1

Format	Color
Hex	85A1BB
RGB	133, 161, 187
RGB Percent	52%, 63%, 73%
CMY	0.4786, 0.3688, 0.2668
CMYK	0.29, 0.14, 0.00, 0.27
HSL	209°, 28%, 63%
HSV	209°, 29%, 73%
XYZ	31.3716, 34.0472, 51.9117
YIQ	155.5920, -25.0340, 2.1500

Conversions

Conversions Part 2

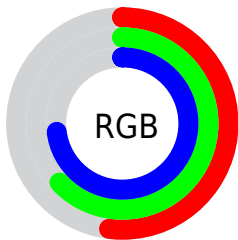
Format	Color
RYB	133, 151, 187
Decimal	8757691
CIELab	65.00, -3.59, -16.59
CIElCh	65, 16.972, 257.773
Yxy	34.0472, 0.2674, 0.2902
Android (android.graphics.Color)	4286947771 (0xFF85A1BB)
YUV	155.5920, 15.4841, -19.8132
Hunter-Lab	58.3500, -6.1427, -11.9030

Details

The CIELCh color $65, 16.972, 257.773$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $67, 18.533, 69.908$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 16.843, 256.852$, and $45, 16.887, 257.272$ is the 20% darker color. If you saturate the color by 10%, you get $61, 22.630, 259.871$, and if you desaturate by 10%, it is $69, 11.186, 256.016$.

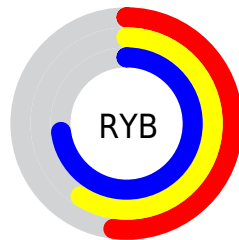
Distribution



Red (52%)

Green (63%)

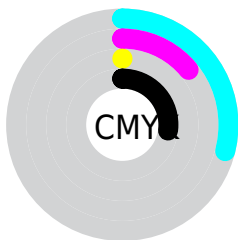
Blue (73%)



Red (52%)

Yellow (59%)

Blue (73%)

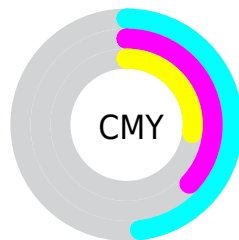


Cyan (29%)

Magenta (14%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (37%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 16.972, 257.773 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 65, 16.972, 257.773 by changing the saturation by 10% instead.

■ 65, 16.972,
257.773

■ 65, 16.972,
257.773

■ 100, 16.972,
257.773

■ 55, 16.972,
257.773

■ 85, 16.972,
257.773

■ 45, 16.972,
257.773

■ 95, 16.972,
257.773

■ 35, 16.972,
257.773

■ 25, 16.972,
257.773

■ 15, 16.972,
257.773

■ 5, 16.972, 257.773

■ 0, 16.972, 257.773

65, 16.972,
257.773

65, 16.972,
257.773

61, 22.630,
259.871

69, 11.186,
256.016

58, 28.144,
262.378

72, 5.299, 254.570

76, 0.663, 72.702

54, 33.513,
265.350

80, 6.674, 72.134

51, 38.762,
268.824

84, 12.710, 71.252

48, 43.949,
272.795

88, 18.752, 70.479

91, 22.688, 76.561

45, 49.164,
277.186

93, 25.131, 88.450

42, 54.524,
281.748

95, 28.448, 97.802

41, 55.142,

Harmonies

Complementary

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



65, 16.972, 257.773



67, 18.533, 69.908

Rectangle

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



65, 16.972, 257.773



65, 16.972, 307.773



65, 16.972, 77.773



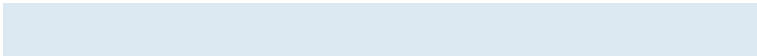
65, 16.972, 127.773

Sweetspot

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



65, 16.971, 257.770



91, 6.626, 254.604



72, 25.385, 159.318



48, 4.637, 254.797



98, 0.011, 296.813



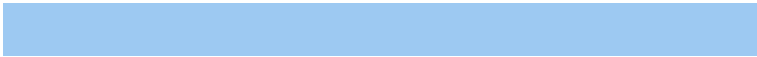
51, 0.007, 296.813

Same Dimension

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



65, 16.971, 257.770



79, 25.226, 259.132



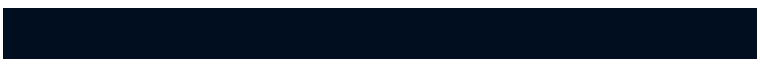
58, 29.719, 292.378



38, 3.405, 254.631



35, 48.115, 281.587



4, 11.340, 266.867

Inverse Universe

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



62, 25.913, 345.250



74, 38.786, 345.985



74, 27.865, 105.966



37, 5.043, 343.381



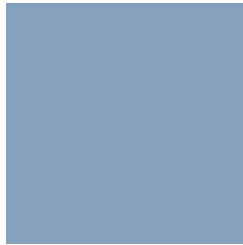
34, 59.572, 359.718



3, 14.098, 350.515

Previews

White Background



This preview shows how the CIELCh color 65, 16.972, 257.773 looks on a white background.

Color Contrast Check

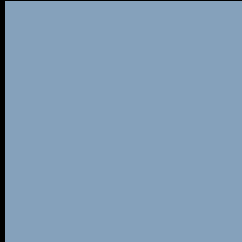
Large Text (above 18pt) WCAG AA × Fail

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 65, 16.972, 257.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

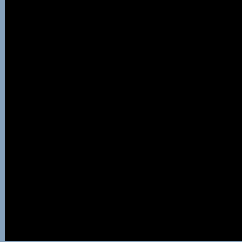
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

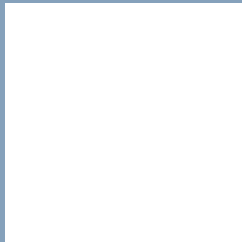
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 16.972, 257.773

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.972, 257.773.



This preview shows how white text looks on a background with the CIELCh color 65, 16.972, 257.773.

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


65, 16.972, 257.773

Protanopia

65, 15.614, 286.637

Deuteranopia

65, 18.992, 295.336



Tritanopia
65, 13.056, 232.412

Trichromacy



Original Color
65, 16.972, 257.773

Protanomaly
65, 15.551, 274.863

Deuteranomaly
65, 17.436, 281.690

Tritanomaly
65, 14.121, 244.161

Monochromacy



Original Color
65, 16.972, 257.773

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 6.145, 254.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.972, 257.773 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(133, 161, 187)` looks like.

```
.text, #text, p{  
    color:rgb(133, 161, 187)  
}
```

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(133, 161, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 161, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.972, 257.773 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(133, 161, 187) }
```

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

```
.border{ border-color:rgb(133, 161, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 161, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 161, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 161, 187); box-shadow:4px 4px 4px 4px rgb(133, 161, 187) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.972, 257.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 161, 187) }
```

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

```
.background{ background-color: rgb(133,  
161, 187) }
```

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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