

Converting Colors

CIELCh(65, 11.005, 228.557)

Have a look what the booklet for
CIELCh(65, 11.005, 228.557)
contains.

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Color

CIELCh(65, 10.916, 229.485)

Conversions

Conversions Part 1

Format	Color
Hex	87A2AC
RGB	135, 162, 172
RGB Percent	53%, 64%, 67%
CMY	0.4700, 0.3641, 0.3248
CMYK	0.21, 0.06, 0.00, 0.32
HSL	196°, 18%, 60%
HSV	196°, 21%, 68%
XYZ	30.4287, 34.0472, 44.0808
YIQ	155.0670, -19.3020, -2.6140

Conversions

Conversions Part 2

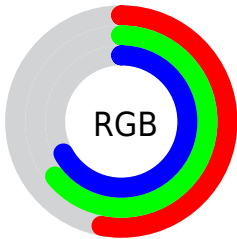
Format	Color
RYB	135, 151, 172
Decimal	8889004
CIELab	65.00, -7.09, -8.30
CIElCh	65, 10.916, 229.485
Yxy	34.0472, 0.2803, 0.3136
Android (android.graphics.Color)	4287079084 (0xFF87A2AC)
YUV	155.0670, 8.3480, -17.5988
Hunter-Lab	58.3500, -9.0271, -3.9460

Details

The CIELCh color **65, 10.916, 229.485** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 12.423, 46.836**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 10.784, 228.169**, and **45, 11.089, 231.293** is the 20% darker color. If you saturate the color by 10%, you get **63, 15.524, 230.542**, and if you desaturate by 10%, it is **67, 5.986, 228.680**.

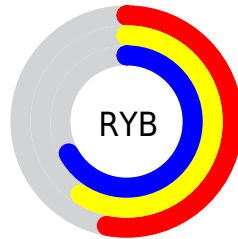
Distribution



Red (53%)

Green (64%)

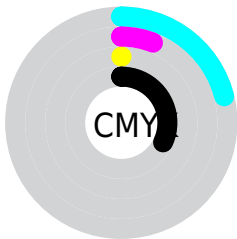
Blue (67%)



Red (53%)

Yellow (59%)

Blue (67%)

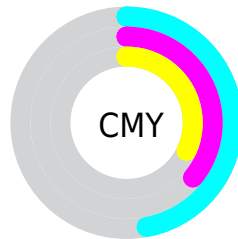


Cyan (21%)

Magenta (6%)

Yellow (0%)

Black (32%)



Cyan (47%)


Magenta (36%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 10.916, 229.485 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, 10.916, 229.485 by changing the saturation by 10% instead.


 65, 10.916,
229.485


 65, 10.916,
229.485


 100, 10.916,
229.485


 55, 10.916,
229.485


 85, 10.916,
229.485

 45, 10.916,
229.485


 95, 10.916,
229.485

 35, 10.916,
229.485

 25, 10.916,
229.485

 15, 10.916,
229.485

 5, 10.916, 229.485

 0, 10.916, 229.485

65, 10.916,
229.485

65, 10.916,
229.485

63, 15.524,
230.542

67, 5.986, 228.680

60, 19.742,
231.919

70, 0.797, 228.546

73, 4.594, 47.373

58, 23.506,
233.682

75, 10.136, 47.058

56, 26.765,
235.915

78, 15.790, 46.797

81, 21.520, 46.600

54, 29.495,
238.707

84, 27.050, 46.695

52, 31.715,
242.138

85, 26.637, 52.756

86, 26.539, 58.933

51, 33.505,
246.246

49, 34.868,

Harmonies

Complementary

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



65, 10.916, 229.485



62, 12.423, 46.836

Rectangle

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



65, 10.916, 229.485



65, 10.916, 279.485



65, 10.916, 49.485



65, 10.916, 99.485

Sweetspot

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



65, 10.916, 229.478



87, 3.923, 228.381



67, 20.639, 151.410



46, 2.595, 228.407



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 10.916, 229.478



81, 16.149, 229.971



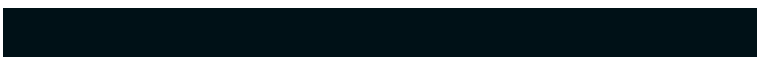
60, 16.238, 281.187



35, 2.980, 228.543



43, 31.457, 249.504



4, 6.405, 238.565

Inverse Universe

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



61, 20.728, 334.543



75, 31.127, 334.905



67, 15.957, 95.807



34, 5.456, 333.684



33, 63.687, 342.448



2, 10.758, 336.655

Previews

White Background



This preview shows how the CIELCh color 65, 10.916, 229.485 looks on a white background.

Color Contrast Check

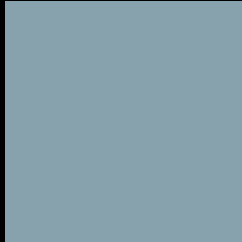
Large Text (above 18pt) WCAG AA × Fail

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 65, 10.916, 229.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

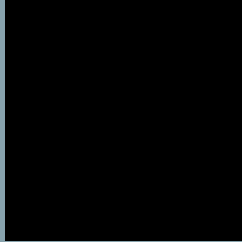
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

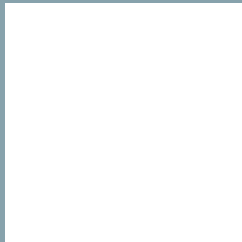
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 10.916, 229.485

Background



This preview shows how black text looks on a background with the CIELCh color 65, 10.916, 229.485.



This preview shows how white text looks on a background with the CIELCh color 65, 10.916, 229.485.

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](#).

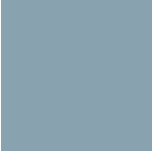
Dichromacy



Original Color
65, 10.916, 229.485

Protanopia
65, 7.254, 293.876

Deuteranopia
65, 12.567, 312.023



Tritanopia
65, 11.478, 237.999

Trichromacy



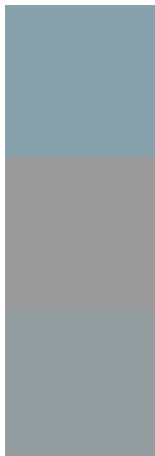
Original Color
65, 10.916, 229.485

Protanomaly
65, 7.373, 264.437

Deuteranomaly
65, 9.480, 286.775

Tritanomaly
65, 11.175, 235.602

Monochromacy



Original Color
65, 10.916, 229.485

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.060, 223.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 10.916, 229.485 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, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(135, 162, 172)  
}
```

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, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 162, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 10.916, 229.485 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, 162, 172) }
```

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

```
.border{ border-color:rgb(135, 162, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 162, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(135, 162,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 10.916, 229.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 162, 172) }
```

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

```
.background{ background-color: rgb(135,  
162, 172) }
```

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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