

Converting Colors

CIELCh(66, 16.571, 223.255)

Have a look what the booklet for
CIELCh(66, 16.571, 223.255)
contains.

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Color

CIELCh(66, 16.656, 221.936)

Conversions

Conversions Part 1

Format	Color
Hex	7AA8B4
RGB	122, 168, 180
RGB Percent	48%, 66%, 71%
CMY	0.5225, 0.3421, 0.2951
CMYK	0.32, 0.07, 0.00, 0.30
HSL	192°, 28%, 59%
HSV	192°, 32%, 70%
XYZ	30.1657, 35.3238, 48.2802
YIQ	155.6140, -31.2680, -6.0200

Conversions

Conversions Part 2

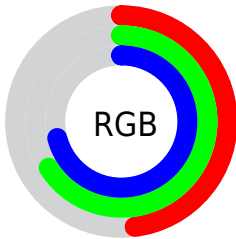
Format	Color
R_{YB}	122, 148, 180
Decimal	8038580
CIE _{Lab}	66.00, -12.39, -11.13
CIE _{LCh}	66, 16.656, 221.936
Yxy	35.3238, 0.2651, 0.3105
Android (android.graphics.Color)	4286228660 (0xFF7AA8B4)
YUV	155.6140, 12.0223, -29.4795
Hunter-Lab	59.4338, -13.4114, -6.5597

Details

The CIELCh color **66, 16.656, 221.936** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 20.785, 39.930**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 16.687, 222.746**, and **46, 16.728, 221.068** is the 20% darker color. If you saturate the color by 10%, you get **64, 20.941, 222.892**, and if you desaturate by 10%, it is **68, 11.895, 221.233**.

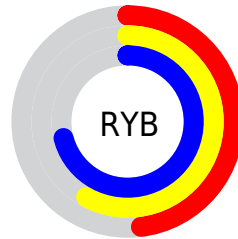
Distribution



Red (48%)

Green (66%)

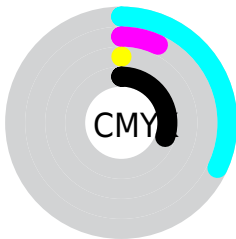
Blue (71%)



Red (48%)

Yellow (58%)

Blue (71%)

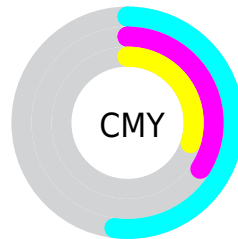


Cyan (32%)

Magenta (7%)

Yellow (0%)

Black (30%)



Cyan (52%)


Magenta (34%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 16.656, 221.936 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, 16.656, 221.936 by changing the saturation by 10% instead.


 66, 16.656,
221.936


 66, 16.656,
221.936


 100, 16.656,
221.936


 56, 16.656,
221.936


 86, 16.656,
221.936

 46, 16.656,
221.936

 96, 16.656,
221.936

 36, 16.656,
221.936

 26, 16.656,
221.936

 16, 16.656,
221.936

 6, 16.656, 221.936

 0, 16.656, 221.936

66, 16.656,
221.936

66, 16.656,
221.936

64, 20.941,
222.892

68, 11.895,
221.233

62, 24.672,
224.175

70, 6.742, 220.756

73, 1.274, 220.724

60, 27.780,
225.853

75, 4.438, 39.993

59, 30.227,
228.010

78, 10.336, 39.926

57, 32.017,
230.728

80, 16.368, 39.887

83, 22.494, 39.894

56, 33.217,
234.069

84, 24.652, 42.902

55, 33.911,
236.968

85, 24.168, 48.180

Harmonies

Complementary

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



66, 16.656, 221.936



60, 20.785, 39.930

Rectangle

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



66, 16.656, 221.936



66, 16.656, 271.936



66, 16.656, 41.936



66, 16.656, 91.936

Sweetspot

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



66, 16.656, 221.932



90, 6.864, 220.686



68, 33.665, 148.065



47, 4.663, 220.731



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 16.656, 221.932



82, 24.268, 222.615



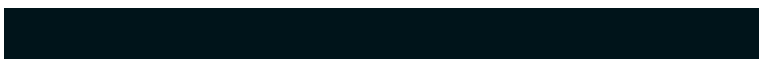
58, 23.590, 278.612



37, 3.120, 220.661



47, 30.066, 236.407



5, 7.497, 230.321

Inverse Universe

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



58, 33.648, 332.841



71, 50.225, 333.356



67, 23.449, 89.655



35, 5.847, 331.314



34, 67.393, 338.392



2, 13.241, 333.918

Previews

White Background



This preview shows how the CIELCh color 66, 16.656, 221.936 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 66, 16.656, 221.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

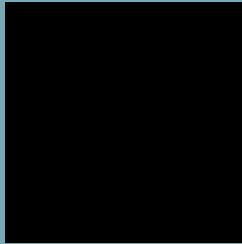
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

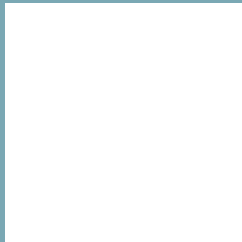
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 16.656, 221.936

Background



This preview shows how black text looks on a background with the CIELCh color 66, 16.656, 221.936.



This preview shows how white text looks on a background with the CIELCh color 66, 16.656, 221.936.

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, 16.656, 221.936

Protanopia

66, 8.323, 291.053

Deuteranopia

66, 14.858, 304.321



Tritanopia
66, 16.821, 223.792

Trichromacy



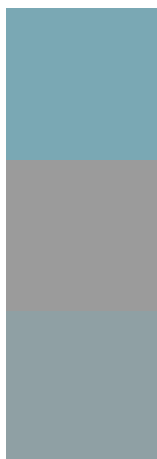
Original Color
66, 16.656, 221.936

Protanomaly
66, 9.719, 252.345

Deuteranomaly
66, 12.188, 272.748

Tritanomaly
66, 16.821, 223.792

Monochromacy



Original Color
66, 16.656, 221.936

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 6.581, 218.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 16.656, 221.936 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(122, 168, 180)` looks like.

```
.text, #text, p{  
    color:rgb(122, 168, 180)  
}
```

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(122, 168, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 168, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 16.656, 221.936 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(122, 168, 180) }
```

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

```
.border{ border-color:rgb(122, 168, 180) }
```

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

Here you see how a box with a 4 pixel rgb(122, 168, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 168, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 168, 180);  
box-shadow:4px 4px 4px 4px rgb(122, 168,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 16.656, 221.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 168, 180) }
```

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

```
.background{ background-color: rgb(122,  
168, 180) }
```

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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