

Converting Colors

CIELCh(66, 12.933, 220.506)

Have a look what the booklet for
CIELCh(66, 12.933, 220.506)
contains.

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Color

CIELCh(66, 13.038, 221.109)

Conversions

Conversions Part 1

Format	Color
Hex	83A6AF
RGB	131, 166, 175
RGB Percent	51%, 65%, 69%
CMY	0.4852, 0.3479, 0.3126
CMYK	0.25, 0.05, 0.00, 0.31
HSL	192°, 22%, 60%
HSV	192°, 25%, 69%
XYZ	30.8519, 35.3238, 45.8907
YIQ	156.5610, -23.7490, -4.6210

Conversions

Conversions Part 2

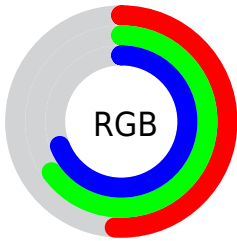
Format	Color
RYB	131, 150, 175
Decimal	8627887
CIELab	66.00, -9.82, -8.57
CIElCh	66, 13.038, 221.109
Yxy	35.3238, 0.2753, 0.3152
Android (android.graphics.Color)	4286817967 (0xFF83A6AF)
YUV	156.5610, 9.0904, -22.4170
Hunter-Lab	59.4338, -11.3506, -4.1759

Details

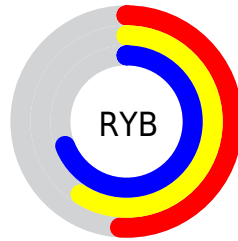
The CIELCh color **66, 13.038, 221.109** is a light color, and the websafe version is hex **669999**. A complement of this color would be **61, 15.402, 39.642**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 13.070, 222.466**, and **46, 13.145, 222.398** is the 20% darker color. If you saturate the color by 10%, you get **64, 17.582, 221.853**, and if you desaturate by 10%, it is **68, 8.086, 220.580**.

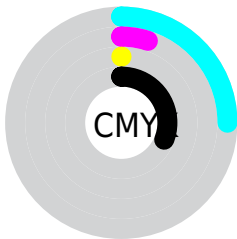
Distribution



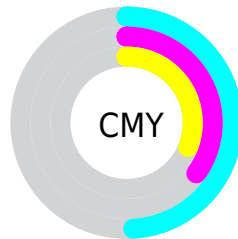
- Red (51%)
- Green (65%)
- Blue (69%)



- Red (51%)
- Yellow (59%)
- Blue (69%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)





- Cyan (49%)
- Magenta (35%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 13.038, 221.109 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, 13.038, 221.109 by changing the saturation by 10% instead.


 66, 13.038,
221.109


 66, 13.038,
221.109


 100, 13.038,
221.109


 56, 13.038,
221.109


 86, 13.038,
221.109

 46, 13.038,
221.109

 96, 13.038,
221.109

 36, 13.038,
221.109

 26, 13.038,
221.109

 16, 13.038,
221.109

 6, 13.038, 221.109

 0, 13.038, 221.109

66, 13.038,
221.109

66, 13.038,
221.109

64, 17.582,
221.853

68, 8.086, 220.580

62, 21.638,
222.876

70, 2.804, 220.315

73, 2.738, 39.713

60, 25.128,
224.236

75, 8.476, 39.689

59, 27.992,
226.008

78, 14.360, 39.645

80, 20.346, 39.647

57, 30.203,
228.276

83, 26.401, 39.690

56, 31.778,
231.116

84, 26.180, 44.021

84, 25.739, 48.808

54, 32.803,
234.581

54, 33.231,

236.381

Harmonies

Complementary

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



66, 13.038, 221.109



61, 15.402, 39.642

Rectangle

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



66, 13.038, 221.109



66, 13.038, 271.109



66, 13.038, 41.109



66, 13.038, 91.109

Sweetspot

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



66, 13.038, 221.103



88, 5.379, 220.350



68, 25.705, 148.725



47, 3.840, 220.387



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 13.038, 221.103



82, 18.864, 221.478



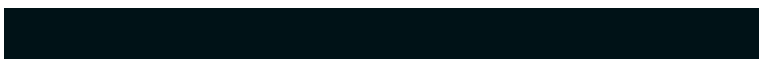
60, 17.855, 277.300



36, 3.050, 220.378



46, 29.658, 235.845



5, 6.419, 228.859

Inverse Universe

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



60, 25.735, 332.266



73, 37.907, 332.630



67, 17.783, 90.589



34, 5.718, 331.229



34, 66.696, 338.234



2, 11.388, 333.412

Previews

White Background



This preview shows how the CIELCh color 66, 13.038, 221.109 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, 13.038, 221.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

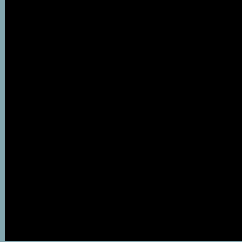
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

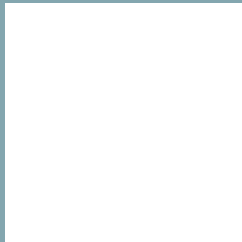
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 13.038, 221.109

Background



This preview shows how black text looks on a background with the CIELCh color 66, 13.038, 221.109.




This preview shows how white text looks on a background with the CIELCh color 66, 13.038, 221.109.

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





Tritanopia
66, 13.570, 230.822

Trichromacy



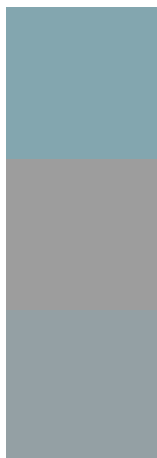
Original Color
66, 13.038, 221.109

Protanomaly
66, 7.405, 254.799

Deuteranomaly
66, 9.089, 277.282

Tritanomaly
66, 13.333, 228.646

Monochromacy



Original Color
66, 13.038, 221.109

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.927, 226.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 13.038, 221.109 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(131, 166, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 166, 175)  
}
```

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(131, 166, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 166, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 13.038, 221.109 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(131, 166, 175) }
```

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

```
.border{ border-color:rgb(131, 166, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 166, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 166, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 166, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 166,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 13.038, 221.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 166, 175) }
```

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

```
.background{ background-color: rgb(131,  
166, 175) }
```

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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