

Converting Colors

CIELCh(66, 3.982, 199.011)

Have a look what the booklet for
CIELCh(66, 3.982, 199.011) contains.

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Color

CIELCh(66, 4.110, 199.157)

Conversions

Conversions Part 1

Format	Color
Hex	98A3A3
RGB	152, 163, 163
RGB Percent	60%, 64%, 64%
CMY	0.4054, 0.3623, 0.3623
CMYK	0.07, 0.00, 0.00, 0.36
HSL	180°, 6%, 62%
HSV	180°, 7%, 64%
XYZ	32.4800, 35.3238, 39.5729
YIQ	159.7110, -6.5560, -2.3320

Conversions

Conversions Part 2

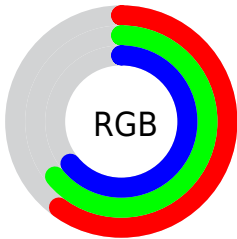
Format	Color
RYB	152, 158, 163
Decimal	10003363
CIELab	66.00, -3.88, -1.35
CIElCh	66, 4.110, 199.157
Yxy	35.3238, 0.3025, 0.3290
Android (android.graphics.Color)	4288193443 (0xFF98A3A3)
YUV	159.7110, 1.6215, -6.7625
Hunter-Lab	59.4338, -6.4609, 2.1266

Details

The CIELCh color $66, 4.110, 199.157$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 4.285, 19.687$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 4.258, 199.240$, and $46, 3.987, 199.030$ is the 20% darker color. If you saturate the color by 10%, you get $65, 9.925, 198.559$, and if you desaturate by 10%, it is $67, 2.011, 19.332$.

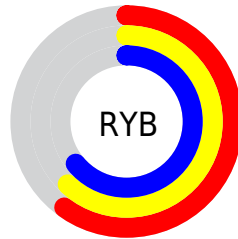
Distribution



Red (60%)

Green (64%)

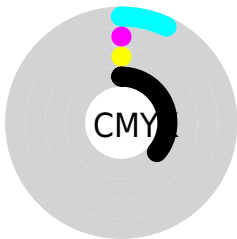
Blue (64%)



Red (60%)

Yellow (62%)

Blue (64%)

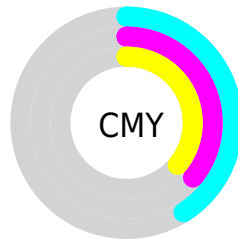


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (41%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 4.110, 199.157 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, 4.110, 199.157 by changing the saturation by 10% instead.

■ 66, 4.110, 199.157

■ 66, 4.110, 199.157

■ 100, 4.110,
199.157

■ 56, 4.110, 199.157

■ 86, 4.110, 199.157

■ 46, 4.110, 199.157

■ 96, 4.110, 199.157

■ 36, 4.110, 199.157

■ 26, 4.110, 199.157

■ 16, 4.110, 199.157

■ 6, 4.110, 199.157

■ 0, 4.110, 199.157

■ 66, 4.110, 199.157

■ 66, 4.110, 199.157

■ 65, 9.925, 198.559

■ 67, 2.011, 19.332

64, 15.340,
198.074

69, 8.357, 20.083

63, 20.260,
197.648

70, 14.856, 20.700

72, 21.448, 21.317

62, 24.591,
197.281

74, 28.086, 21.936

62, 28.253,
196.975

75, 34.732, 22.555

76, 37.106, 22.774

61, 31.186,
196.733

76, 37.106, 22.771

61, 33.364,
196.554

76, 37.105, 22.769

61, 34.802,
196.436

61, 35.593,
196.370

Harmonies

Complementary

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



66, 4.110, 199.157



64, 4.285, 19.687

Rectangle

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



66, 4.110, 199.157



66, 4.110, 249.157



66, 4.110, 19.157



66, 4.110, 69.157

Sweetspot

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



66, 4.111, 199.137



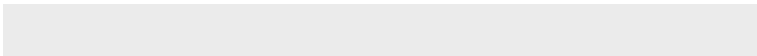
84, 1.522, 199.654



66, 7.405, 143.656



45, 0.872, 199.683



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



66, 4.111, 199.137



84, 6.006, 199.045



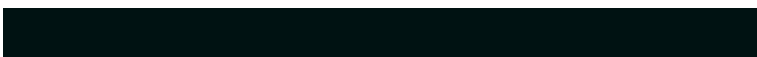
65, 3.612, 254.510



34, 3.428, 198.975



54, 32.971, 196.353



4, 5.463, 199.397

Inverse Universe

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



64, 4.285, 19.687



80, 6.315, 19.798



65, 3.668, 72.714



32, 3.629, 19.885



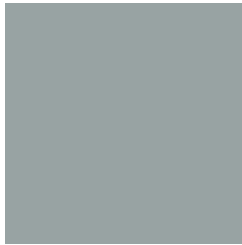
30, 68.055, 39.256



1, 5.464, 19.388

Previews

White Background



This preview shows how the CIELCh color 66, 4.110, 199.157 looks on a white background.

Color Contrast Check

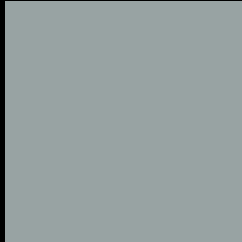
Large Text (above 18pt) WCAG AA × Fail

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, 4.110, 199.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

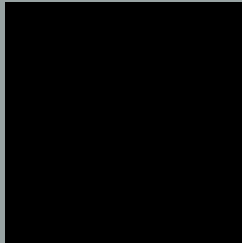
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

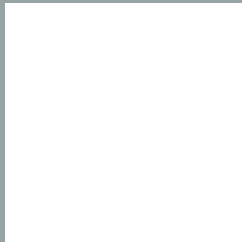
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 4.110, 199.157

Background



This preview shows how black text looks on a background with the CIELCh color 66, 4.110, 199.157.



This preview shows how white text looks on a background with the CIELCh color 66, 4.110, 199.157.

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, 4.110, 199.157

Protanopia

66, 1.900, 343.663

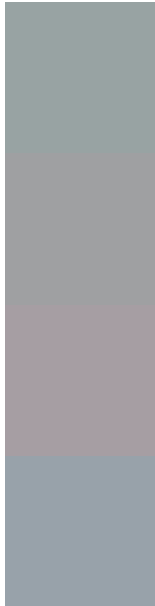
Deuteranopia

66, 8.844, 345.979



Tritanopia
66, 7.710, 268.773

Trichromacy



Original Color
66, 4.110, 199.157

Protanomaly
66, 1.172, 271.523

Deuteranomaly
66, 4.143, 337.753

Tritanomaly
66, 5.693, 250.516

Monochromacy



Original Color
66, 4.110, 199.157

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 1.513, 199.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 4.110, 199.157 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(152, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(152, 163, 163)  
}
```

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(152, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 163, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 4.110, 199.157 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(152, 163, 163) }
```

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

```
.border{ border-color:rgb(152, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(152, 163,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 4.110, 199.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 163, 163) }
```

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

```
.background{ background-color: rgb(152,  
163, 163) }
```

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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