

Converting Colors

CIELCh(66, 9.912, 198.596)

Have a look what the booklet for
CIELCh(66, 9.912, 198.596) contains.

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Color

CIELCh(66, 10.152, 198.572)

Conversions

Conversions Part 1

Format	Color
Hex	8AA6A6
RGB	138, 166, 166
RGB Percent	54%, 65%, 65%
CMY	0.4597, 0.3499, 0.3499
CMYK	0.17, 0.00, 0.00, 0.35
HSL	180°, 14%, 60%
HSV	180°, 17%, 65%
XYZ	30.9058, 35.3238, 41.1613
YIQ	157.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

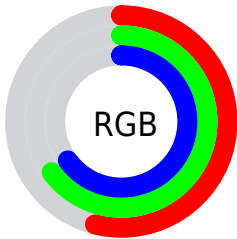
Format	Color
RYB	138, 152, 166
Decimal	9086630
CIELab	66.00, -9.62, -3.23
CIElCh	66, 10.152, 198.572
Yxy	35.3238, 0.2878, 0.3289
Android (android.graphics.Color)	4287276710 (0xFF8AA6A6)
YUV	157.6280, 4.1274, -17.2138
Hunter-Lab	59.4338, -11.1885, 0.5420

Details

The CIELCh color `66, 10.152, 198.572` is a light color, and the websafe version is hex `669999`. A complement of this color would be `60, 11.305, 20.515`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 10.067, 198.757`, and `46, 10.285, 198.274` is the 20% darker color. If you saturate the color by 10%, you get `65, 15.646, 198.081`, and if you desaturate by 10%, it is `67, 4.251, 199.140`.

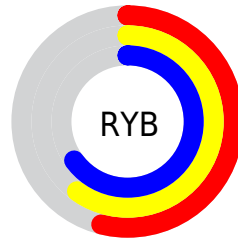
Distribution



Red (54%)

Green (65%)

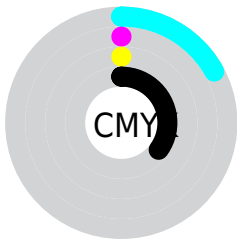
Blue (65%)



Red (54%)

Yellow (60%)

Blue (65%)

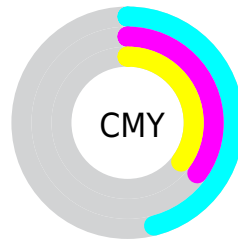


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (46%)


Magenta (35%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 10.152, 198.572 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, 10.152, 198.572 by changing the saturation by 10% instead.


 66, 10.152,
198.572


 66, 10.152,
198.572


 100, 10.152,
198.572


 56, 10.152,
198.572


 86, 10.152,
198.572

 46, 10.152,
198.572


 96, 10.152,
198.572

 36, 10.152,
198.572

 26, 10.152,
198.572

 16, 10.152,
198.572

 6, 10.152, 198.572

 0, 10.152, 198.572

66, 10.152,
198.572

66, 10.152,
198.572

65, 15.646,
198.081

67, 4.251, 199.140

64, 20.635,
197.655

68, 1.964, 19.328

70, 8.409, 20.088

63, 25.022,
197.289

71, 15.010, 20.707

63, 28.727,
196.985

73, 21.707, 21.324

75, 28.451, 21.944

62, 31.689,
196.745

77, 35.202, 22.564

62, 33.883,
196.569

77, 35.675, 22.606

77, 35.674, 22.605

62, 35.326,
196.454

62, 36.112,

196.391

■ 62, 36.309,
196.375

Harmonies

Complementary

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



66, 10.152, 198.572



60, 11.305, 20.515

Rectangle

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



66, 10.152, 198.572



66, 10.152, 248.572



66, 10.152, 18.572



66, 10.152, 68.572

Sweetspot

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



66, 10.153, 198.565



86, 3.854, 199.275



65, 18.895, 142.996



46, 2.647, 199.221



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 10.153, 198.565



84, 14.797, 198.389



62, 9.099, 255.893



35, 3.516, 198.985



55, 33.389, 196.375



5, 6.572, 199.413

Inverse Universe

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



60, 11.305, 20.515



75, 16.877, 20.828



63, 9.540, 71.564



33, 3.724, 19.900



30, 69.024, 39.356



1, 6.572, 19.400

Previews

White Background



This preview shows how the CIELCh color 66, 10.152, 198.572 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 66, 10.152, 198.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

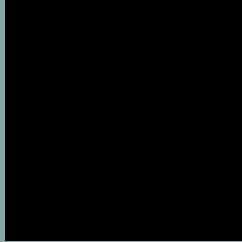
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 10.152, 198.572

Background



This preview shows how black text looks on a background with the CIELCh color 66, 10.152, 198.572.

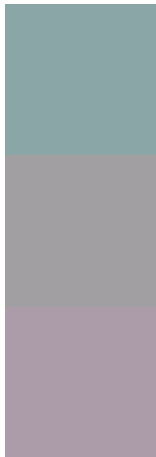


This preview shows how white text looks on a background with the CIELCh color 66, 10.152, 198.572.

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, 10.152, 198.572

Protanopia
66, 2.034, 324.433

Deuteranopia
66, 9.705, 332.388



Tritanopia
66, 10.949, 240.209

Trichromacy



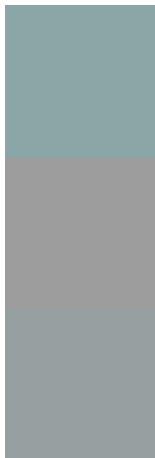
Original Color
66, 10.152, 198.572

Protanomaly
66, 3.174, 219.781

Deuteranomaly
66, 4.463, 295.460

Tritanomaly
66, 10.151, 224.735

Monochromacy



Original Color
66, 10.152, 198.572

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 3.753, 199.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 10.152, 198.572 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(138, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(138, 166, 166)  
}
```

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(138, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 166, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 10.152, 198.572 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(138, 166, 166) }
```

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

```
.border{ border-color:rgb(138, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(138, 166,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 10.152, 198.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 166, 166) }
```

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

```
.background{ background-color: rgb(138,  
166, 166) }
```

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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