

Converting Colors

CIELCh(66, 4.669, 12.957)

Have a look what the booklet for
CIELCh(66, 4.669, 12.957) contains.

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Color

CIELCh(66, 4.669, 12.957)

Conversions

Conversions Part 1

Format	Color
Hex	AA9E9F
RGB	170, 158, 159
RGB Percent	67%, 62%, 62%
CMY	0.3348, 0.3818, 0.3779
CMYK	0.00, 0.07, 0.06, 0.33
HSL	355°, 7%, 64%
HSV	355°, 7%, 67%
XYZ	34.8876, 35.3238, 37.6135
YIQ	161.7020, 6.8310, 2.8550

Conversions

Conversions Part 2

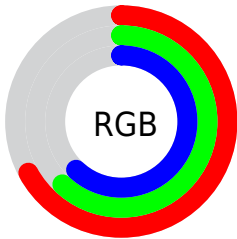
Format	Color
RYB	170, 158, 159
Decimal	11181727
CIELab	66.00, 4.55, 1.05
CIELCh	66, 4.669, 12.957
Yxy	35.3238, 0.3236, 0.3276
Android (android.graphics.Color)	4289371807 (0xFFAA9E9F)
YUV	161.7020, -1.3321, 7.2773
Hunter-Lab	59.4338, 0.7702, 4.0812

Details

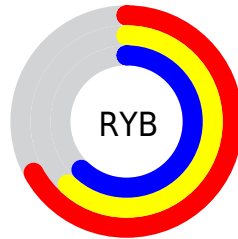
The CIELCh color **66, 4.669, 12.957** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 4.497, 192.117**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 4.408, 12.794**, and **46, 4.609, 12.538** is the 20% darker color. If you saturate the color by 10%, you get **61, 11.652, 13.951**, and if you desaturate by 10%, it is **71, 1.868, 192.578**.

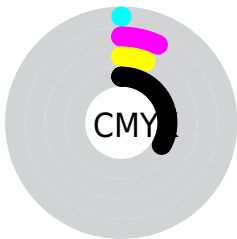
Distribution



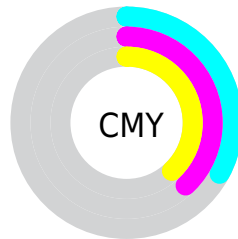
- Red (67%)
- Green (62%)
- Blue (62%)



- Red (67%)
- Yellow (62%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 4.669, 12.957 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, 4.669, 12.957 by changing the saturation by 10% instead.

 66, 4.669, 12.957  66, 4.669, 12.957

 100, 4.669, 12.957  56, 4.669, 12.957

 86, 4.669, 12.957  46, 4.669, 12.957

 96, 4.669, 12.957  36, 4.669, 12.957

 26, 4.669, 12.957

 16, 4.669, 12.957

 6, 4.669, 12.957

 0, 4.669, 12.957

 66, 4.669, 12.957  66, 4.669, 12.957

 61, 11.652, 13.951  71, 1.868, 192.578

56, 19.081, 15.093

76, 7.973, 191.750

52, 26.907, 16.508

81, 13.681,
191.188

48, 35.021, 18.292

86, 19.030,
190.715

44, 43.244, 20.563

41, 51.329, 23.442

91, 24.059,
190.307

38, 59.003, 27.007

95, 27.116,
194.393

36, 65.994, 31.170

35, 71.965, 35.406

95, 26.854,
197.762

Harmonies

Complementary

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



66, 4.669, 12.957



69, 4.497, 192.117

Rectangle

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



66, 4.669, 12.957



66, 4.669, 62.957



66, 4.669, 192.957



66, 4.669, 242.957

Sweetspot

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



66, 4.668, 12.975



86, 1.602, 12.319



66, 7.866, 322.497



46, 0.909, 12.289



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, 4.668, 12.975



83, 6.533, 13.079



67, 3.842, 65.062



33, 3.740, 13.187



30, 66.105, 35.893



1, 6.617, 13.473

Inverse Universe

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



66, 4.668, 12.975



83, 6.533, 13.079



67, 3.751, 246.784



33, 3.740, 13.187



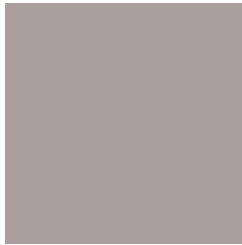
30, 66.105, 35.893



1, 6.617, 13.473

Previews

White Background



This preview shows how the CIELCh color 66, 4.669, 12.957 looks on a white background.

Color Contrast Check

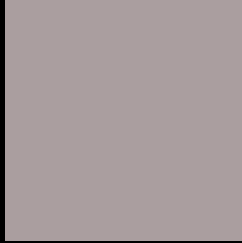
Large Text (above 18pt) WCAG AA × Fail

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, 4.669, 12.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

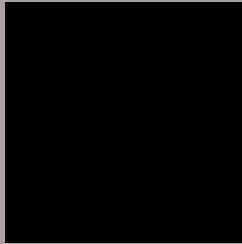
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 4.669, 12.957

Background



This preview shows how black text looks on a background with the CIELCh color 66, 4.669, 12.957.

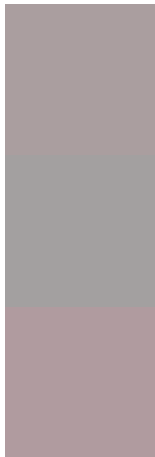


This preview shows how white text looks on a background with the CIELCh color 66, 4.669, 12.957.

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, 4.669, 12.957

Protanopia

66, 1.147, 19.102

Deuteranopia

66, 8.452, 5.042



Tritanopia
66, 8.784, 331.033

Trichromacy



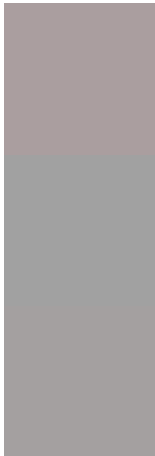
Original Color
66, 4.669, 12.957

Protanomaly
66, 2.371, 5.949

Deuteranomaly
66, 7.176, 6.700

Tritanomaly
66, 6.964, 340.570

Monochromacy



Original Color
66, 4.669, 12.957

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 1.531, 19.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 4.669, 12.957 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(170, 158, 159)` looks like.

```
.text, #text, p{  
    color:rgb(170, 158, 159)  
}
```

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(170, 158, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 158, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 4.669, 12.957 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(170, 158, 159) }
```

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

```
.border{ border-color:rgb(170, 158, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 158, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 158, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 158, 159);  
box-shadow:4px 4px 4px 4px rgb(170, 158,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 4.669, 12.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 158, 159) }
```

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

```
.background{ background-color: rgb(170,  
158, 159) }
```

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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