

Converting Colors

CIELCh(60, 3.644, 96.022)

Have a look what the booklet for
CIELCh(60, 3.644, 96.022) contains.

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Color

CIELCh(60, 4.006, 98.321)

Conversions

Conversions Part 1

Format	Color
Hex	93918A
RGB	147, 145, 138
RGB Percent	58%, 57%, 54%
CMY	0.4251, 0.4329, 0.4603
CMYK	0.00, 0.01, 0.06, 0.43
HSL	47°, 4%, 56%
HSV	47°, 6%, 57%
XYZ	26.5887, 28.1233, 27.9258
YIQ	144.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

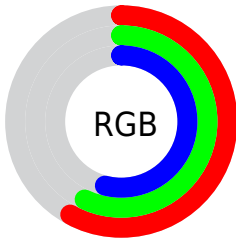
Format	Color
R_{YB}	141, 147, 138
Decimal	9671050
CIE Lab	60.00, -0.58, 3.96
CIE LCh	60, 4.006, 98.321
Yxy	28.1233, 0.3217, 0.3403
Android (android.graphics.Color)	4287861130 (0xFF93918A)
YUV	144.8000, -3.3524, 1.9294
Hunter-Lab	53.0314, -3.3093, 5.9005

Details

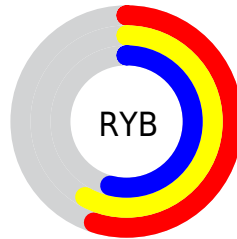
The CIELCh color $60, 4.006, 98.321$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $58, 4.041, 279.795$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 4.298, 99.810$, and $40, 4.262, 103.724$ is the 20% darker color. If you saturate the color by 10%, you get $59, 10.600, 97.218$, and if you desaturate by 10%, it is $61, 2.522, 279.533$.

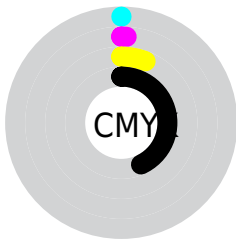
Distribution



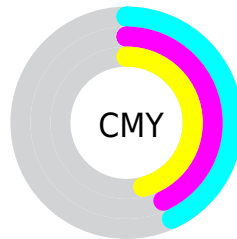
- Red (58%)
- Green (57%)
- Blue (54%)



- Red (55%)
- Yellow (58%)
- Blue (54%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (43%)



- Cyan (43%)
- Magenta (43%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 4.006, 98.321 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 60, 4.006, 98.321 by changing the saturation by 10% instead.

 60, 4.006, 98.321  60, 4.006, 98.321

 100, 4.006, 98.321  50, 4.006, 98.321

 80, 4.006, 98.321  40, 4.006, 98.321

 90, 4.006, 98.321  30, 4.006, 98.321

 20, 4.006, 98.321

 10, 4.006, 98.321

 0, 4.006, 98.321

 60, 4.006, 98.321  60, 4.006, 98.321

 59, 10.600, 97.218  61, 2.522, 279.533

 58, 17.239, 96.046  63, 8.980, 280.557

56, 23.886, 94.842

64, 15.363,
281.567

55, 30.476, 93.613

65, 21.671,
282.534

54, 36.893, 92.364

53, 42.939, 91.091

67, 27.906,
283.455

52, 48.296, 89.780

68, 34.070,
284.329

51, 52.510, 88.394

50, 55.189, 86.880

70, 40.167,
285.155

71, 46.198,
285.937

72, 44.499,
284.148

Harmonies

Complementary

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



60, 4.006, 98.321



58, 4.041, 279.795

Rectangle

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



60, 4.006, 98.321



60, 4.006, 148.321



60, 4.006, 278.321



60, 4.006, 328.321

Sweetspot

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



60, 4.007, 98.341



77, 1.613, 98.730



58, 3.749, 1.191



41, 0.924, 98.737



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



60, 4.007, 98.341



76, 5.683, 98.232



60, 5.148, 120.192



31, 2.975, 98.208



47, 53.660, 86.412



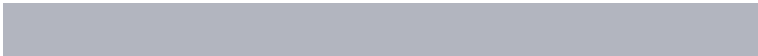
2, 3.253, 99.054

Inverse Universe

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



58, 4.041, 279.795



74, 5.732, 279.913



58, 5.220, 300.904



29, 3.001, 279.940



19, 70.629, 300.997



1, 3.254, 279.058

Previews

White Background



This preview shows how the CIELCh color 60, 4.006, 98.321 looks on a white background.

Color Contrast Check

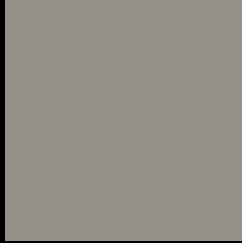
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 4.006, 98.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

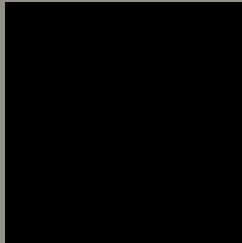
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

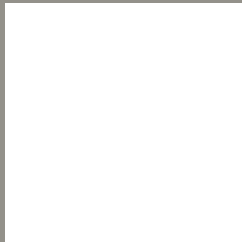
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 4.006, 98.321

Background



This preview shows how black text looks on a background with the CIELCh color 60, 4.006, 98.321.



This preview shows how white text looks on a background with the CIELCh color 60, 4.006, 98.321.

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


60, 4.006, 98.321

Protanopia

60, 4.398, 82.828

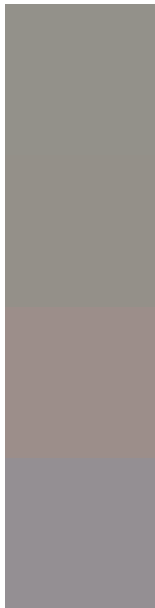
Deuteranopia

60, 8.440, 23.996



Tritanopia
60, 6.804, 313.955

Trichromacy



Original Color
60, 4.006, 98.321

Protanomaly
60, 4.235, 87.673

Deuteranomaly
60, 6.031, 41.689

Tritanomaly
60, 2.997, 330.649

Monochromacy



Original Color
60, 4.006, 98.321

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 1.183, 90.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 4.006, 98.321 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(147, 145, 138)` looks like.

```
.text, #text, p{  
    color:rgb(147, 145, 138)  
}
```

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(147, 145, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 145, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 4.006, 98.321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

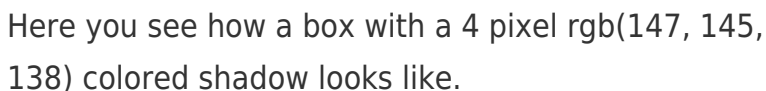
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 145, 138) }
```

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

```
.border{ border-color:rgb(147, 145, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 145, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 145, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 145, 138);  
box-shadow:4px 4px 4px 4px rgb(147, 145,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 4.006, 98.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 145, 138) }
```

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

```
.background{ background-color: rgb(147,  
145, 138) }
```

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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