

Converting Colors

CIELCh(65, 5.999, 199.153)

Have a look what the booklet for
CIELCh(65, 5.999, 199.153) contains.

CIELCh(65, 5.946, 198.954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 5.946, 198.954)

Conversions

Conversions Part 1

Format	Color
Hex	91A1A1
RGB	145, 161, 161
RGB Percent	57%, 63%, 63%
CMY	0.4317, 0.3689, 0.3689
CMYK	0.10, 0.00, 0.00, 0.37
HSL	180°, 8%, 60%
HSV	180°, 10%, 63%
XYZ	30.8222, 34.0472, 38.6310
YIQ	156.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

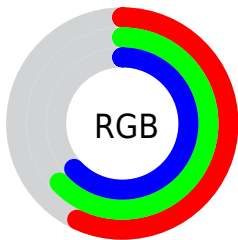
Format	Color
RYB	145, 153, 161
Decimal	9544097
CIELab	65.00, -5.62, -1.93
CIELCh	65, 5.946, 198.954
Yxy	34.0472, 0.2978, 0.3290
Android (android.graphics.Color)	4287734177 (0xFF91A1A1)
YUV	156.2160, 2.3585, -9.8364
Hunter-Lab	58.3500, -7.8235, 1.5916

Details

The CIELCh color **65, 5.946, 198.954** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 6.324, 19.943**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 6.009, 199.071**, and **45, 5.922, 204.586** is the 20% darker color. If you saturate the color by 10%, you get **64, 11.597, 198.405**, and if you desaturate by 10%, it is **66, 0.036, 6.405**.

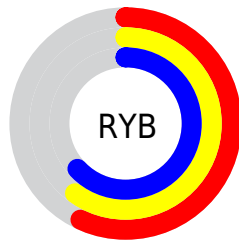
Distribution



Red (57%)

Green (63%)

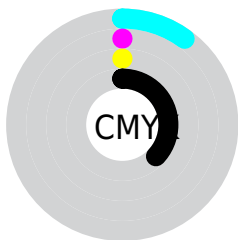
Blue (63%)



Red (57%)

Yellow (60%)

Blue (63%)

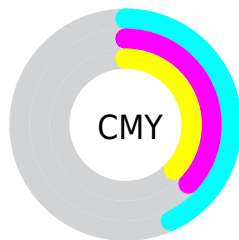


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (43%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 5.946, 198.954 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 65, 5.946, 198.954 by changing the saturation by 10% instead.

65, 5.946, 198.954

65, 5.946, 198.954

100, 5.946,
198.954

55, 5.946, 198.954

85, 5.946, 198.954

45, 5.946, 198.954

95, 5.946, 198.954

35, 5.946, 198.954

25, 5.946, 198.954

15, 5.946, 198.954

5, 5.946, 198.954

0, 5.946, 198.954

65, 5.946, 198.954

65, 5.946, 198.954

64, 11.597,

66, 0.036, 6.405

198.405

68, 6.265, 19.885

63, 16.821,
197.940

69, 12.668, 20.509

62, 21.525,
197.533

71, 19.181, 21.124

61, 25.619,
197.185

72, 25.753, 21.742

61, 29.027,
196.900

76, 37.870, 22.879

60, 31.702,
196.678

76, 37.870, 22.877

60, 33.629,
196.520

76, 37.870, 22.875

60, 34.838,
196.420

60, 35.520,
196.363

Harmonies

Complementary

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



65, 5.946, 198.954



62, 6.324, 19.943

Rectangle

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



65, 5.946, 198.954



65, 5.946, 248.954



65, 5.946, 18.954



65, 5.946, 68.954

Sweetspot

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



65, 5.947, 198.941



83, 2.256, 199.479



65, 10.821, 143.457



44, 1.704, 199.386



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



65, 5.947, 198.941



82, 8.830, 198.809



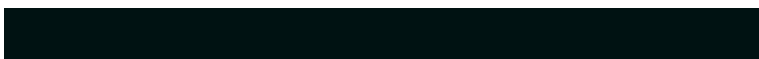
63, 5.254, 254.904



34, 3.428, 198.981



54, 32.970, 196.363



4, 5.463, 199.405

Inverse Universe

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



62, 6.324, 19.943



77, 9.529, 20.121



64, 5.390, 72.368



32, 3.629, 19.891



30, 68.058, 39.258



1, 5.464, 19.393

Previews

White Background



This preview shows how the CIELCh color 65, 5.946, 198.954 looks on a white background.

Color Contrast Check

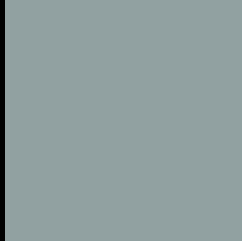
Large Text (above 18pt) WCAG AA × Fail

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 65, 5.946, 198.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

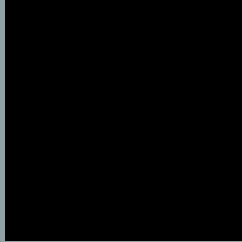
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

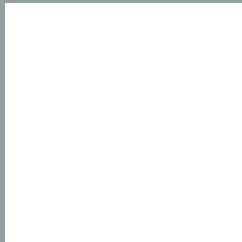
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 5.946, 198.954

Background



This preview shows how black text looks on a background with the CIELCh color 65, 5.946, 198.954.



This preview shows how white text looks on a background with the CIELCh color 65, 5.946, 198.954.

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

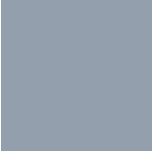
65, 5.946, 198.954

Protanopia

65, 1.285, 353.551

Deuteranopia

65, 8.581, 339.902



Tritanopia
65, 8.338, 259.559

Trichromacy



Original Color
65, 5.946, 198.954

Protanomaly
65, 1.260, 225.883

Deuteranomaly
65, 3.863, 319.915

Tritanomaly
65, 6.695, 240.847

Monochromacy



Original Color
65, 5.946, 198.954

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 2.269, 199.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 5.946, 198.954 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(145, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(145, 161, 161)  
}
```

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(145, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 161, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 5.946, 198.954 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(145, 161, 161) }
```

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

```
.border{ border-color:rgb(145, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(145, 161,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 5.946, 198.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 161, 161) }
```

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

```
.background{ background-color: rgb(145,  
161, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor