

Converting Colors

CIELCh(65, 7.521, 253.541)

Have a look what the booklet for
CIELCh(65, 7.521, 253.541) contains.

CIELCh(65, 7.428, 254.829)	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, 7.428, 254.829)

Conversions

Conversions Part 1

Format	Color
Hex	939FAA
RGB	147, 159, 170
RGB Percent	58%, 62%, 67%
CMY	0.4223, 0.3753, 0.3321
CMYK	0.14, 0.06, 0.00, 0.33
HSL	209°, 12%, 62%
HSV	209°, 14%, 67%
XYZ	31.8233, 34.0472, 43.0788
YIQ	156.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

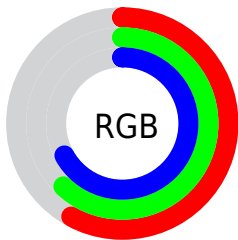
Format	Color
RYB	147, 155, 170
Decimal	9674666
CIELab	65.00, -1.94, -7.17
CIELCh	65, 7.428, 254.829
Yxy	34.0472, 0.2921, 0.3125
Android (android.graphics.Color)	4287864746 (0xFF939FAA)
YUV	156.6660, 6.5737, -8.4771
Hunter-Lab	58.3500, -4.7609, -2.9279

Details

The CIELCh color $65, 7.428, 254.829$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 7.714, 71.392$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 7.267, 252.179$, and $45, 7.431, 252.748$ is the 20% darker color. If you saturate the color by 10%, you get $62, 12.827, 256.386$, and if you desaturate by 10%, it is $68, 1.945, 253.610$.

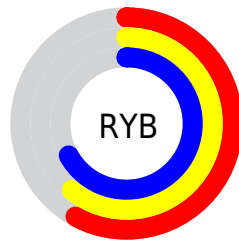
Distribution



Red (58%)

Green (62%)

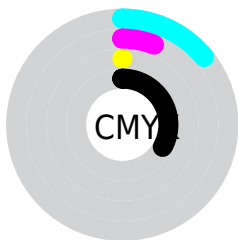
Blue (67%)



Red (58%)

Yellow (61%)

Blue (67%)

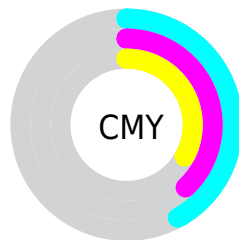


Cyan (14%)

Magenta (6%)

Yellow (0%)

Black (33%)



Cyan (42%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 7.428, 254.829 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, 7.428, 254.829 by changing the saturation by 10% instead.

■ 65, 7.428, 254.829

■ 65, 7.428, 254.829

■ 100, 7.428,
254.829

■ 55, 7.428, 254.829

■ 85, 7.428, 254.829

■ 45, 7.428, 254.829

■ 95, 7.428, 254.829

■ 35, 7.428, 254.829

■ 25, 7.428, 254.829

■ 15, 7.428, 254.829

■ 5, 7.428, 254.829

■ 0, 7.428, 254.829

■ 65, 7.428, 254.829

■ 65, 7.428, 254.829

■ 62, 12.827,

■ 68, 1.945, 253.610

256.386

72, 3.596, 72.207

58, 18.118,
258.271

76, 9.173, 71.299

55, 23.279,
260.524

79, 14.765, 70.485

51, 28.300,
263.204

83, 20.357, 69.773

48, 33.187,
266.365

86, 25.933, 69.151

45, 37.976,
270.028

89, 28.600, 75.612

42, 42.733,
274.166

91, 30.541, 84.497

40, 47.550,
278.665

93, 33.126, 92.092

38, 50.780,
281.539

Harmonies

Complementary

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



65, 7.428, 254.829



66, 7.714, 71.392

Rectangle

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



65, 7.428, 254.829



65, 7.428, 304.829



65, 7.428, 74.829



65, 7.428, 124.829

Sweetspot

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



65, 7.427, 254.818



87, 2.747, 253.656



68, 11.054, 160.826



46, 1.967, 253.725



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 7.427, 254.818



81, 10.886, 255.224



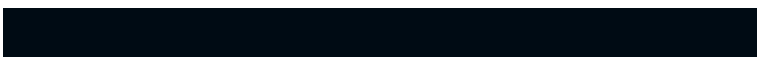
62, 12.493, 290.272



34, 3.091, 254.245



33, 45.276, 280.954



3, 6.001, 260.691

Inverse Universe

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



63, 11.130, 343.572



79, 16.392, 343.823



69, 12.143, 107.499



33, 4.597, 343.195



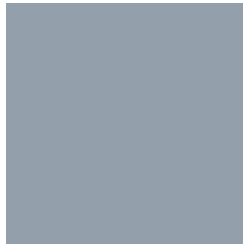
31, 56.811, 359.171



2, 7.900, 346.462

Previews

White Background



This preview shows how the CIELCh color 65, 7.428, 254.829 looks on a white background.

Color Contrast Check

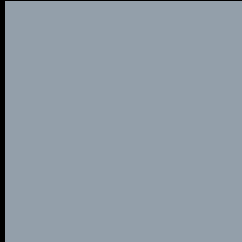
Large Text (above 18pt) WCAG AA × Fail

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, 7.428, 254.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

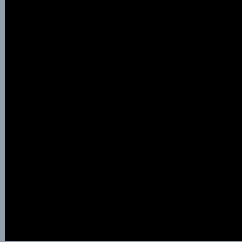
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

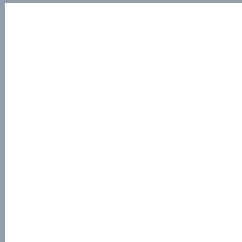
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 7.428, 254.829

Background



This preview shows how black text looks on a background with the CIELCh color 65, 7.428, 254.829.

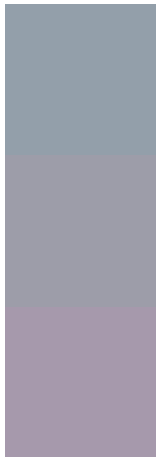


This preview shows how white text looks on a background with the CIELCh color 65, 7.428, 254.829.

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, 7.428, 254.829

Protanopia

65, 6.675, 290.891

Deuteranopia

65, 11.689, 315.673



Tritanopia
65, 8.167, 261.724

Trichromacy



Original Color
65, 7.428, 254.829

Protanomaly
65, 6.352, 273.987

Deuteranomaly
65, 9.058, 300.504

Tritanomaly
65, 7.694, 259.581

Monochromacy



Original Color
65, 7.428, 254.829

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 2.887, 249.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 7.428, 254.829 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, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(147, 159, 170)  
}
```

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, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 159, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 7.428, 254.829 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, 159, 170) }
```

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

```
.border{ border-color:rgb(147, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(147, 159,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 7.428, 254.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 159, 170) }
```

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

```
.background{ background-color: rgb(147,  
159, 170) }
```

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