

Converting Colors

CIELCh(65, 12.771, 273.658)

Have a look what the booklet for
CIELCh(65, 12.771, 273.658)
contains.

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Color

CIELCh(65, 12.738, 273.678)

Conversions

Conversions Part 1

Format	Color
Hex	939EB4
RGB	147, 158, 180
RGB Percent	58%, 62%, 71%
CMY	0.4227, 0.3796, 0.2933
CMYK	0.18, 0.12, 0.00, 0.29
HSL	220°, 18%, 64%
HSV	220°, 18%, 71%
XYZ	32.5886, 34.0472, 48.1440
YIQ	157.2190, -13.6180, 4.5100

Conversions

Conversions Part 2

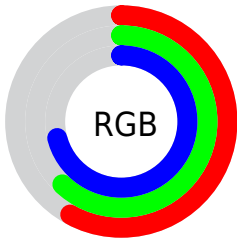
Format	Color
R_{YB}	147, 155, 180
Decimal	9674420
CIE _{Lab}	65.00, 0.82, -12.71
CIE _{LCh}	65, 12.738, 273.678
Yxy	34.0472, 0.2839, 0.2966
Android (android.graphics.Color)	4287864500 (0xFF939EB4)
YUV	157.2190, 11.2310, -8.9621
Hunter-Lab	58.3500, -2.4198, -8.0747

Details

The CIELCh color $65, 12.738, 273.678$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 12.784, 88.827$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 12.675, 272.421$, and $45, 12.487, 272.839$ is the 20% darker color. If you saturate the color by 10%, you get $60, 19.843, 275.382$, and if you desaturate by 10%, it is $70, 5.742, 272.225$.

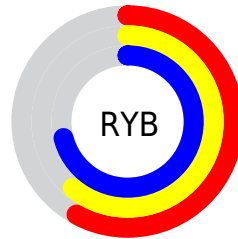
Distribution



Red (58%)

Green (62%)

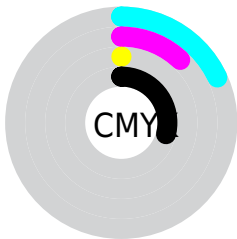
Blue (71%)



Red (58%)

Yellow (61%)

Blue (71%)

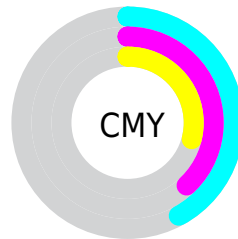


Cyan (18%)

Magenta (12%)

Yellow (0%)

Black (29%)



Cyan (42%)


Magenta (38%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 12.738, 273.678 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, 12.738, 273.678 by changing the saturation by 10% instead.


 65, 12.738,
273.678


 65, 12.738,
273.678


 100, 12.738,
273.678


 55, 12.738,
273.678


 85, 12.738,
273.678

 45, 12.738,
273.678

 95, 12.738,
273.678

 35, 12.738,
273.678

 25, 12.738,
273.678

 15, 12.738,
273.678

 5, 12.738, 273.678

 0, 12.738, 273.678

65, 12.738,
273.678

65, 12.738,
273.678

60, 19.843,
275.382

70, 5.742, 272.225

56, 27.069,
277.383

74, 1.144, 90.726

79, 7.921, 89.799

51, 34.428,
279.716

83, 14.587, 88.860

47, 41.947,
282.413

88, 21.141, 88.031

92, 27.534, 87.546

43, 49.658,
285.477

95, 31.934, 98.790

39, 57.585,
288.861

98, 37.223,
106.924

35, 65.699,
292.447

98, 37.544,
107.315

31, 73.863,

295.990

■ 31, 75.232,
296.533

Harmonies

Complementary

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



65, 12.738, 273.678



70, 12.784, 88.827

Rectangle

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



65, 12.738, 273.678



65, 12.738, 323.678



65, 12.738, 93.678



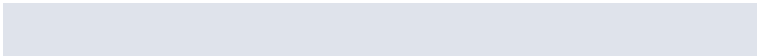
65, 12.738, 143.678

Sweetspot

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



65, 12.737, 273.673



90, 4.271, 271.820



71, 13.732, 170.911



47, 2.912, 271.903



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 12.737, 273.673



80, 19.016, 274.335



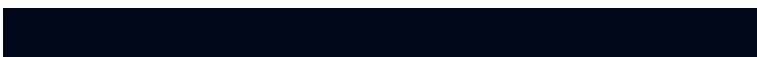
62, 18.650, 297.576



35, 3.883, 272.358



26, 65.780, 296.053



2, 10.134, 276.734

Inverse Universe

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



64, 14.221, 355.469



79, 21.303, 355.941



72, 17.919, 114.709



35, 4.294, 354.497



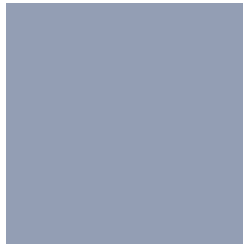
32, 58.814, 17.138



2, 9.820, 358.974

Previews

White Background



This preview shows how the CIELCh color 65, 12.738, 273.678 looks on a white background.

Color Contrast Check

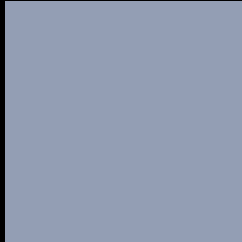
Large Text (above 18pt) WCAG AA × Fail

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 65, 12.738, 273.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

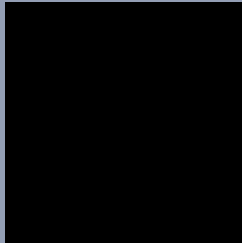
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

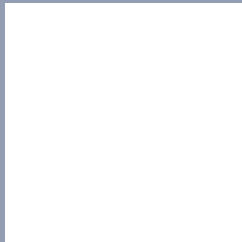
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 12.738, 273.678

Background



This preview shows how black text looks on a background with the CIELCh color 65, 12.738, 273.678.



This preview shows how white text looks on a background with the CIELCh color 65, 12.738, 273.678.

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, 12.738, 273.678

Protanopia

65, 12.807, 288.320

Deuteranopia

65, 15.359, 302.575



Tritanopia
65, 8.265, 253.138

Trichromacy



Original Color
65, 12.738, 273.678

Protanomaly
65, 12.326, 283.129

Deuteranomaly
65, 13.920, 293.113

Tritanomaly
65, 9.930, 263.144

Monochromacy



Original Color
65, 12.738, 273.678

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.671, 272.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 12.738, 273.678 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, 158, 180)` looks like.

```
.text, #text, p{  
    color:rgb(147, 158, 180)  
}
```

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, 158, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 158, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 12.738, 273.678 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, 158, 180) }
```

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

```
.border{ border-color:rgb(147, 158, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 158, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 158, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 158, 180);  
box-shadow:4px 4px 4px 4px rgb(147, 158,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 12.738, 273.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 158, 180) }
```

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

```
.background{ background-color: rgb(147,  
158, 180) }
```

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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