

Converting Colors

CIELCh(64, 15.266, 258.041)

Have a look what the booklet for
CIELCh(64, 15.266, 258.041)
contains.

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Color

CIELCh(64, 15.178, 257.053)

Conversions

Conversions Part 1

Format	Color
Hex	859EB5
RGB	133, 158, 181
RGB Percent	52%, 62%, 71%
CMY	0.4782, 0.3802, 0.2900
CMYK	0.27, 0.13, 0.00, 0.29
HSL	209°, 25%, 62%
HSV	209°, 27%, 71%
XYZ	30.2637, 32.8017, 48.4825
YIQ	153.1470, -22.2830, 1.8530

Conversions

Conversions Part 2

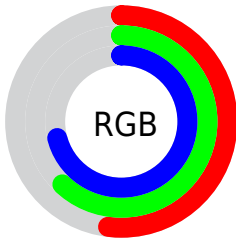
Format	Color
RYB	133, 149, 181
Decimal	8756917
CIELab	64.00, -3.40, -14.79
CIELCh	64, 15.178, 257.053
Yxy	32.8017, 0.2713, 0.2941
Android (android.graphics.Color)	4286946997 (0xFF859EB5)
YUV	153.1470, 13.7315, -17.6689
Hunter-Lab	57.2727, -5.9055, -10.0992

Details

The CIELCh color `64, 15.178, 257.053` is a light color, and the websafe version is hex `999999`. A complement of this color would be `66, 16.455, 69.954`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 15.106, 256.265`, and `44, 15.047, 256.031` is the 20% darker color. If you saturate the color by 10%, you get `60, 20.705, 259.053`, and if you desaturate by 10%, it is `68, 9.529, 255.378`.

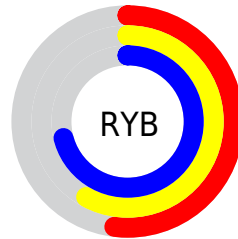
Distribution



Red (52%)

Green (62%)

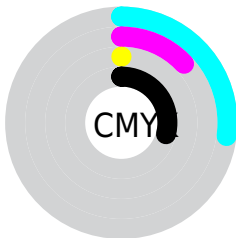
Blue (71%)



Red (52%)

Yellow (58%)

Blue (71%)

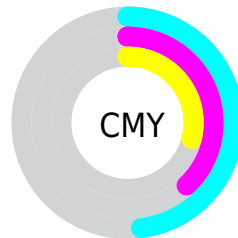


Cyan (27%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (48%)


Magenta (38%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 15.178, 257.053 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 64, 15.178, 257.053 by changing the saturation by 10% instead.


 64, 15.178,
257.053


 64, 15.178,
257.053


 100, 15.178,
257.053


 54, 15.178,
257.053


 84, 15.178,
257.053

 44, 15.178,
257.053

 94, 15.178,
257.053

 34, 15.178,
257.053

 24, 15.178,
257.053

 14, 15.178,
257.053

 4, 15.178, 257.053

 0, 15.178, 257.053

64, 15.178,
257.053

64, 15.178,
257.053

60, 20.705,
259.053

68, 9.529, 255.378

57, 26.092,
261.448

71, 3.785, 254.019

75, 2.027, 72.552

53, 31.332,
264.292

79, 7.883, 71.665

50, 36.442,
267.632

82, 13.761, 70.813

86, 19.641, 70.069

47, 41.469,
271.476

89, 24.306, 72.836

44, 46.495,
275.769

92, 26.283, 84.048

94, 29.116, 93.302

41, 51.623,
280.347

40, 53.472,

281.870

Harmonies

Complementary

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



64, 15.178, 257.053



66, 16.455, 69.954

Rectangle

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



64, 15.178, 257.053



64, 15.178, 307.053



64, 15.178, 77.053



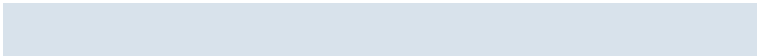
64, 15.178, 127.053

Sweetspot

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



64, 15.177, 257.049



89, 5.733, 254.214



70, 22.733, 159.571



47, 4.067, 254.403



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 15.177, 257.049



79, 22.488, 258.213



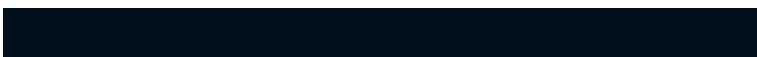
58, 26.445, 292.012



37, 3.324, 254.367



35, 47.263, 281.274



4, 10.016, 265.613

Inverse Universe

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



61, 23.183, 344.870



74, 34.600, 345.507



72, 24.950, 106.206



36, 4.937, 343.255



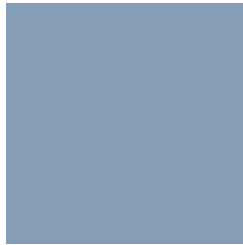
33, 58.905, 359.446



3, 12.356, 349.590

Previews

White Background



This preview shows how the CIELCh color 64, 15.178, 257.053 looks on a white background.

Color Contrast Check

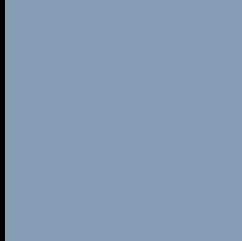
Large Text (above 18pt) WCAG AA × Fail

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 64, 15.178, 257.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

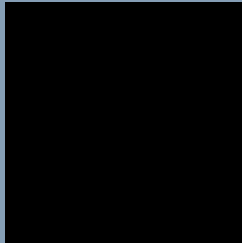
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

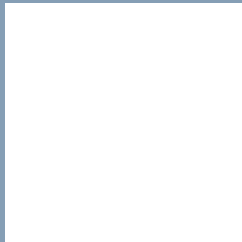
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 15.178, 257.053

Background



This preview shows how black text looks on a background with the CIELCh color 64, 15.178, 257.053.



This preview shows how white text looks on a background with the CIELCh color 64, 15.178, 257.053.

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

64, 15.178, 257.053

Protanopia

64, 13.436, 285.506

Deuteranopia

64, 17.455, 297.865



Tritanopia
64, 12.004, 232.725

Trichromacy



Original Color
64, 15.178, 257.053

Protanomaly
64, 13.838, 275.334

Deuteranomaly
64, 15.714, 284.122

Tritanomaly
64, 12.754, 243.448

Monochromacy



Original Color
64, 15.178, 257.053

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 5.515, 253.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 15.178, 257.053 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(133, 158, 181)` looks like.

```
.text, #text, p{  
    color:rgb(133, 158, 181)  
}
```

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(133, 158, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 158, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 15.178, 257.053 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(133, 158, 181) }
```

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

```
.border{ border-color:rgb(133, 158, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 158, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 158, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 158, 181);  
box-shadow:4px 4px 4px 4px rgb(133, 158,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 15.178, 257.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 158, 181) }
```

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

```
.background{ background-color: rgb(133,  
158, 181) }
```

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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