

Converting Colors

CIELCh(63, 12.776, 253.633)

Have a look what the booklet for
CIELCh(63, 12.776, 253.633)
contains.

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Color

CIELCh(63, 12.921, 254.688)

Conversions

Conversions Part 1

Format	Color
Hex	859BAE
RGB	133, 155, 174
RGB Percent	52%, 61%, 68%
CMY	0.4776, 0.3913, 0.3167
CMYK	0.24, 0.11, 0.00, 0.32
HSL	208°, 20%, 60%
HSV	208°, 24%, 68%
XYZ	29.1289, 31.5869, 44.7232
YIQ	150.5880, -19.2110, 1.2450

Conversions

Conversions Part 2

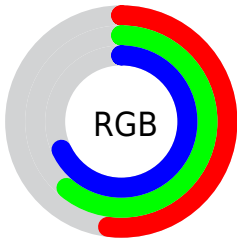
Format	Color
RYB	133, 147, 174
Decimal	8756142
CIELab	63.00, -3.41, -12.46
CIElCh	63, 12.921, 254.688
Yxy	31.5869, 0.2763, 0.2996
Android (android.graphics.Color)	4286946222 (0xFF859BAE)
YUV	150.5880, 11.5421, -15.4247
Hunter-Lab	56.2022, -5.8396, -7.8388

Details

The CIELCh color `63, 12.921, 254.688` is a light color, and the websafe version is hex `999999`. A complement of this color would be `64, 13.951, 68.611`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 12.760, 255.368`, and `43, 12.989, 255.820` is the 20% darker color. If you saturate the color by 10%, you get `60, 18.213, 256.554`, and if you desaturate by 10%, it is `66, 7.499, 253.132`.

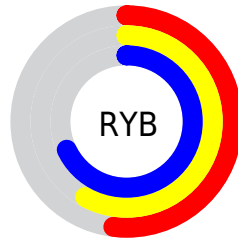
Distribution



Red (52%)

Green (61%)

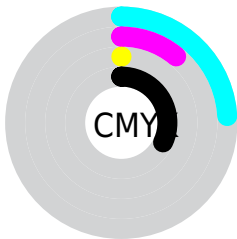
Blue (68%)



Red (52%)

Yellow (58%)

Blue (68%)

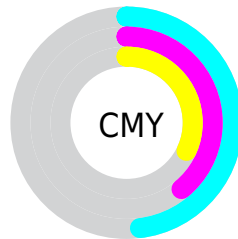


Cyan (24%)

Magenta (11%)

Yellow (0%)

Black (32%)



Cyan (48%)

Magenta (39%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 12.921, 254.688 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 63, 12.921, 254.688 by changing the saturation by 10% instead.

 63, 12.921,
254.688


 63, 12.921,
254.688


 100, 12.921,
254.688


 53, 12.921,
254.688


 83, 12.921,
254.688

 43, 12.921,
254.688

 93, 12.921,
254.688

 33, 12.921,
254.688

 23, 12.921,
254.688

 13, 12.921,
254.688

 3, 12.921, 254.688

 0, 12.921, 254.688

63, 12.921,
254.688

63, 12.921,
254.688

60, 18.213,
256.554

66, 7.499, 253.132

56, 23.353,
258.798

70, 1.977, 251.946

53, 28.325,
261.478

73, 3.617, 70.553

50, 33.134,
264.650

77, 9.258, 69.668

47, 37.813,
268.340

81, 14.924, 68.873

44, 42.433,
272.525

84, 20.597, 68.182

41, 47.091,
277.094

88, 26.212, 67.697

40, 50.199,

90, 27.548, 77.883

92, 29.672, 86.806

Harmonies

Complementary

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



63, 12.921, 254.688



64, 13.951, 68.611

Rectangle

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



63, 12.921, 254.688



63, 12.921, 304.688



63, 12.921, 74.688



63, 12.921, 124.688

Sweetspot

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



63, 12.920, 254.683



87, 4.834, 252.303



68, 19.840, 159.057



46, 3.165, 252.371



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 12.920, 254.683



78, 18.960, 255.567



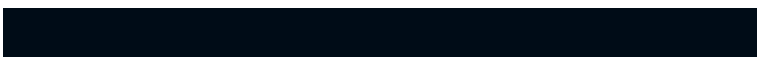
58, 22.208, 290.889



35, 3.135, 252.567



34, 44.567, 279.407



3, 7.163, 261.326

Inverse Universe

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



60, 20.115, 343.716



74, 29.735, 344.206



70, 21.151, 105.758



34, 4.760, 342.425



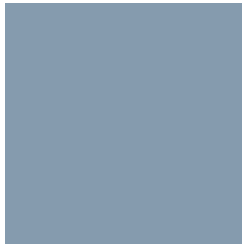
32, 57.744, 357.892



2, 9.338, 346.833

Previews

White Background



This preview shows how the CIELCh color 63, 12.921, 254.688 looks on a white background.

Color Contrast Check

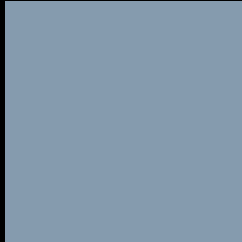
Large Text (above 18pt) WCAG AA × Fail

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 63, 12.921, 254.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

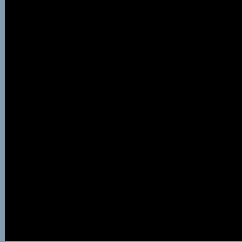
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

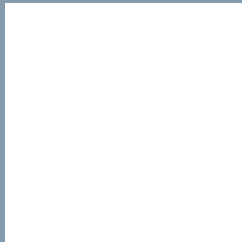
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 12.921, 254.688

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.921, 254.688.



This preview shows how white text looks on a background with the CIELCh color 63, 12.921, 254.688.

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

63, 12.921, 254.688

Protanopia

63, 11.767, 287.924

Deuteranopia

63, 16.017, 302.260



Tritanopia
63, 11.022, 240.330

Trichromacy



Original Color
63, 12.921, 254.688

Protanomaly
63, 11.656, 273.515

Deuteranomaly
63, 13.458, 287.048

Tritanomaly
63, 11.724, 244.809

Monochromacy



Original Color
63, 12.921, 254.688

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 4.450, 248.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.921, 254.688 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, 155, 174)` looks like.

```
.text, #text, p{  
    color:rgb(133, 155, 174)  
}
```

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, 155, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 155, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.921, 254.688 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, 155, 174) }
```

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

```
.border{ border-color:rgb(133, 155, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 155, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 155, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 155, 174);  
box-shadow:4px 4px 4px 4px rgb(133, 155,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.921, 254.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 155, 174) }
```

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

```
.background{ background-color: rgb(133,  
155, 174) }
```

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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