

Converting Colors

CIELCh(58, 18.306, 284.504)

Have a look what the booklet for
CIELCh(58, 18.306, 284.504)
contains.

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Color

CIELCh(58, 18.307, 284.570)

Conversions

Conversions Part 1

Format	Color
Hex	838AAA
RGB	131, 138, 170
RGB Percent	51%, 54%, 67%
CMY	0.4857, 0.4583, 0.3328
CMYK	0.23, 0.19, 0.00, 0.33
HSL	229°, 19%, 59%
HSV	229°, 23%, 67%
XYZ	25.7595, 25.9610, 41.7549
YIQ	139.5550, -14.4440, 8.4680

Conversions

Conversions Part 2

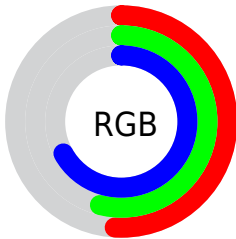
Format	Color
R_{YB}	131, 137, 170
Decimal	8620714
CIE _{Lab}	58.00, 4.61, -17.72
CIE _{LCh}	58, 18.307, 284.570
Yxy	25.9610, 0.2756, 0.2777
Android (android.graphics.Color)	4286810794 (0xFF838AAA)
YUV	139.5550, 15.0094, -7.5027
Hunter-Lab	50.9519, 1.0773, -12.9215

Details

The CIELCh color $58, 18.307, 284.570$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $67, 17.787, 99.041$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 18.294, 285.451$, and $38, 18.563, 285.233$ is the 20% darker color. If you saturate the color by 10%, you get $53, 26.713, 286.220$, and if you desaturate by 10%, it is $63, 10.166, 283.157$.

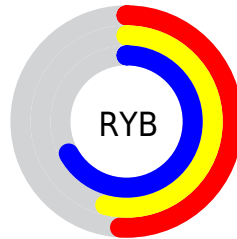
Distribution



Red (51%)

Green (54%)

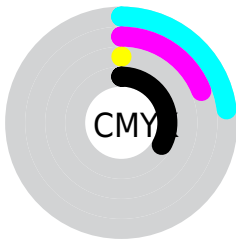
Blue (67%)



Red (51%)

Yellow (54%)

Blue (67%)

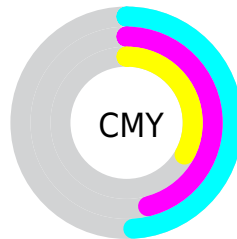


Cyan (23%)

Magenta (19%)

Yellow (0%)

Black (33%)



Cyan (49%)


Magenta (46%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 18.307, 284.570 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 58, 18.307, 284.570 by changing the saturation by 10% instead.


 58, 18.307,
284.570


 58, 18.307,
284.570


 100, 18.307,
284.570


 48, 18.307,
284.570


 78, 18.307,
284.570

 38, 18.307,
284.570

 88, 18.307,
284.570

 28, 18.307,
284.570

 98, 18.307,
284.570

 18, 18.307,
284.570

 8, 18.307, 284.570

 0, 18.307, 284.570

■ 58, 18.307,
284.570

■ 58, 18.307,
284.570

■ 53, 26.713,
286.220

■ 63, 10.166,
283.157

■ 48, 35.412,
288.144

■ 68, 2.272, 281.987

■ 73, 5.393, 100.860

■ 43, 44.427,
290.366

■ 78, 12.842, 99.969

■ 38, 53.761,
292.883

■ 83, 20.087, 99.186

■ 33, 63.351,
295.642

■ 88, 27.138, 98.500

■ 93, 34.004, 97.895

■ 29, 72.972,
298.513

■ 97, 40.128,
104.179

■ 25, 82.103,
301.271

■ 98, 42.463,
106.935

■ 23, 87.854,

Harmonies

Complementary

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



58, 18.307, 284.570



67, 17.787, 99.041

Rectangle

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



58, 18.307, 284.570



58, 18.307, 334.570



58, 18.307, 104.570



58, 18.307, 154.570

Sweetspot

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



58, 18.306, 284.568



84, 6.778, 282.441



67, 14.721, 182.526



44, 4.443, 282.508



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



58, 18.306, 284.568



71, 27.992, 285.458



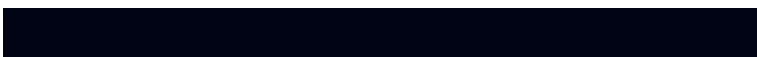
57, 22.807, 303.845



33, 4.389, 282.698



20, 78.503, 302.644



1, 8.132, 283.008

Inverse Universe

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



59, 16.199, 7.138



72, 24.884, 7.870



68, 21.846, 121.155



33, 3.824, 5.599



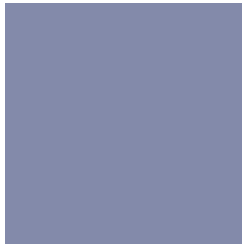
30, 62.171, 29.926



1, 6.755, 6.781

Previews

White Background



This preview shows how the CIELCh color 58, 18.307, 284.570 looks on a white background.

Color Contrast Check

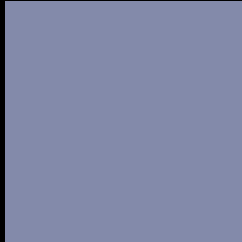
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 18.307, 284.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

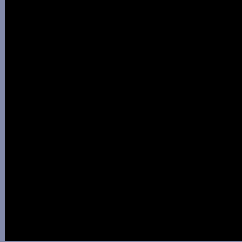
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

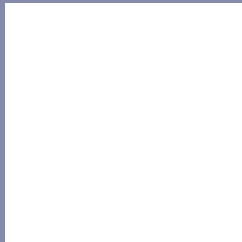
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 18.307, 284.570

Background



This preview shows how black text looks on a background with the CIELCh color 58, 18.307, 284.570.



This preview shows how white text looks on a background with the CIELCh color 58, 18.307, 284.570.

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

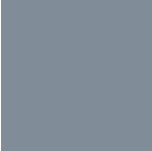
58, 18.307, 284.570

Protanopia

58, 18.273, 285.646

Deuteranopia

58, 19.951, 293.466



Tritanopia
58, 7.783, 252.839

Trichromacy



Original Color
58, 18.307, 284.570

Protanomaly
58, 18.273, 285.646

Deuteranomaly
58, 19.351, 290.306

Tritanomaly
58, 11.411, 271.017

Monochromacy



Original Color
58, 18.307, 284.570

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 6.854, 284.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 18.307, 284.570 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(131, 138, 170)` looks like.

```
.text, #text, p{  
    color:rgb(131, 138, 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(131, 138, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 138, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 18.307, 284.570 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(131, 138, 170) }
```

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

```
.border{ border-color:rgb(131, 138, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 138, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 138, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 138, 170);  
box-shadow:4px 4px 4px 4px rgb(131, 138,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 18.307, 284.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 138, 170) }
```

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

```
.background{ background-color: rgb(131,  
138, 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](#).

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