

Converting Colors

CIELCh(58, 21.299, 264.707)

Have a look what the booklet for
CIELCh(58, 21.299, 264.707)
contains.

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Color

CIELCh(58, 21.320, 264.748)

Conversions

Conversions Part 1

Format	Color
Hex	708EB0
RGB	112, 142, 176
RGB Percent	44%, 56%, 69%
CMY	0.5604, 0.4428, 0.3094
CMYK	0.36, 0.19, 0.00, 0.31
HSL	212°, 29%, 57%
HSV	212°, 36%, 69%
XYZ	24.2250, 25.9610, 44.8565
YIQ	136.9060, -28.7940, 4.2140

Conversions

Conversions Part 2

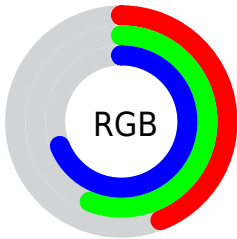
Format	Color
RYB	112, 132, 176
Decimal	7376560
CIELab	58.00, -1.95, -21.23
CIELCh	58, 21.320, 264.748
Yxy	25.9610, 0.2549, 0.2732
Android (android.graphics.Color)	4285566640 (0xFF708EB0)
YUV	136.9060, 19.2733, -21.8426
Hunter-Lab	50.9519, -4.2984, -16.5307

Details

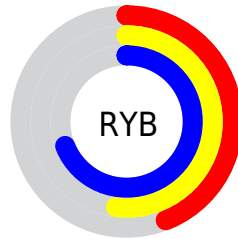
The CIELCh color **58, 21.320, 264.748** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **63, 23.127, 74.115**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 21.261, 264.682**, and **38, 21.084, 264.428** is the 20% darker color. If you saturate the color by 10%, you get **54, 27.067, 267.138**, and if you desaturate by 10%, it is **62, 15.511, 262.725**.

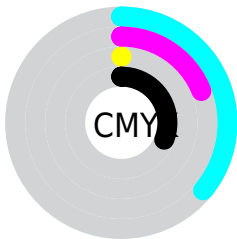
Distribution



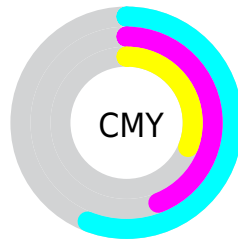
- Red (44%)
- Green (56%)
- Blue (69%)



- Red (44%)
- Yellow (52%)
- Blue (69%)



- Cyan (36%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (56%)
- Magenta (44%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 21.320, 264.748 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, 21.320, 264.748 by changing the saturation by 10% instead.

 58, 21.320,
264.748

 58, 21.320,
264.748

 100, 21.320,
264.748

 48, 21.320,
264.748


 78, 21.320,
264.748

 38, 21.320,
264.748

 88, 21.320,
264.748

 28, 21.320,
264.748

 98, 21.320,
264.748

 18, 21.320,
264.748

 8, 21.320, 264.748

 0, 21.320, 264.748

■ 58, 21.320,
264.748

■ 58, 21.320,
264.748

■ 54, 27.067,
267.138

■ 62, 15.511,
262.725

■ 51, 32.758,
269.950

■ 66, 9.653, 261.022

■ 69, 3.758, 259.618

■ 47, 38.417,
273.216

■ 73, 2.155, 78.150

■ 44, 44.093,
276.932

■ 77, 8.068, 77.192

■ 41, 49.853,
281.030

■ 81, 13.968, 76.289

■ 85, 19.840, 75.495

■ 38, 55.767,
285.339

■ 89, 25.674, 74.798

■ 36, 57.990,
286.826

■ 91, 28.308, 84.527

Harmonies

Complementary

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



58, 21.320, 264.748



63, 23.127, 74.115

Rectangle

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



58, 21.320, 264.748



58, 21.320, 314.748



58, 21.320, 84.748



58, 21.320, 134.748

Sweetspot

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



58, 21.319, 264.747



86, 8.068, 260.258



67, 29.044, 161.070



45, 5.413, 260.445



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



58, 21.319, 264.747



70, 31.895, 266.734



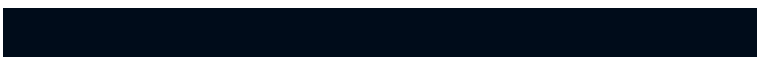
50, 37.507, 295.340



36, 3.388, 260.001



32, 51.689, 286.301



3, 9.044, 268.494

Inverse Universe

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



55, 30.206, 348.978



66, 45.225, 350.104



70, 34.265, 107.471



35, 4.659, 346.112



32, 57.715, 4.257



2, 10.425, 351.599

Previews

White Background



This preview shows how the CIELCh color 58, 21.320, 264.748 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, 21.320, 264.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

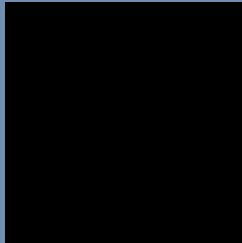
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

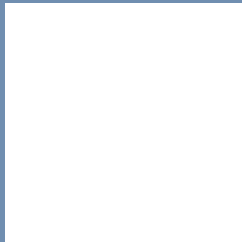
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 21.320, 264.748

Background



This preview shows how black text looks on a background with the CIELCh color 58, 21.320, 264.748.

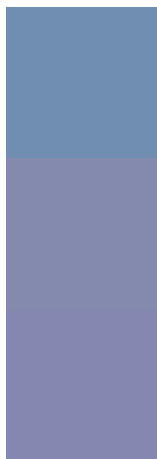


This preview shows how white text looks on a background with the CIELCh color 58, 21.320, 264.748.

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, 21.320, 264.748

Protanopia

58, 19.991, 285.477

Deuteranopia

58, 23.362, 289.481



Tritanopia
58, 14.614, 226.377

Trichromacy



Original Color
58, 21.320, 264.748

Protanomaly
58, 20.388, 277.939

Deuteranomaly
58, 22.484, 281.453

Tritanomaly
58, 16.134, 243.756

Monochromacy



Original Color
58, 21.320, 264.748

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 7.868, 259.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 21.320, 264.748 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(112, 142, 176)` looks like.

```
.text, #text, p{  
    color:rgb(112, 142, 176)  
}
```

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(112, 142, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 142, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 21.320, 264.748 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(112, 142, 176) }
```

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

```
.border{ border-color:rgb(112, 142, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 142, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 142, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 142, 176);  
box-shadow:4px 4px 4px 4px rgb(112, 142,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 21.320, 264.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 142, 176) }
```

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

```
.background{ background-color: rgb(112,  
142, 176) }
```

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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