

Converting Colors

CIELCh(58, 33.162, 278.853)

Have a look what the booklet for
CIELCh(58, 33.162, 278.853)
contains.

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Color

CIELCh(58, 33.125, 278.875)

Conversions

Conversions Part 1

Format	Color
Hex	6F8BC4
RGB	111, 139, 196
RGB Percent	44%, 55%, 77%
CMY	0.5634, 0.4536, 0.2300
CMYK	0.43, 0.29, 0.00, 0.23
HSL	220°, 42%, 60%
HSV	220°, 43%, 77%
XYZ	25.8803, 25.9610, 56.0776
YIQ	137.1260, -34.9850, 11.7910

Conversions

Conversions Part 2

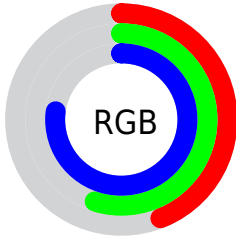
Format	Color
R_{YB}	111, 132, 196
Decimal	7310276
CIE _{Lab}	58.00, 5.11, -32.73
CIE _{LCh}	58, 33.125, 278.875
Yxy	25.9610, 0.2398, 0.2406
Android (android.graphics.Color)	4285500356 (0xFF6F8BC4)
YUV	137.1260, 29.0249, -22.9125
Hunter-Lab	50.9519, 1.5006, -29.5881

Details

The CIELCh color `58, 33.125, 278.875` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `70, 33.267, 85.813`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 33.338, 279.257`, and `38, 33.318, 279.201` is the 20% darker color. If you saturate the color by 10%, you get `53, 41.159, 281.405`, and if you desaturate by 10%, it is `63, 25.253, 276.698`.

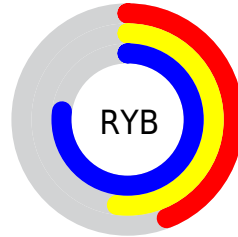
Distribution



Red (44%)

Green (55%)

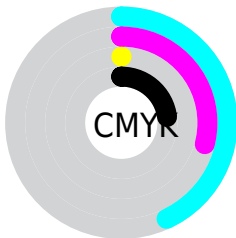
Blue (77%)



Red (44%)

Yellow (52%)

Blue (77%)

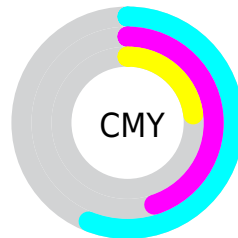


Cyan (43%)

Magenta (29%)

Yellow (0%)

Black (23%)



Cyan (56%)


Magenta (45%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.125, 278.875 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, 33.125, 278.875 by changing the saturation by 10% instead.


 58, 33.125,
278.875


 58, 33.125,
278.875


 100, 33.125,
278.875


 48, 33.125,
278.875


 78, 33.125,
278.875

 38, 33.125,
278.875

 88, 33.125,
278.875

 28, 33.125,
278.875

 98, 33.125,
278.875

 18, 33.125,
278.875

 8, 33.125, 278.875

 0, 33.125, 278.875

■ 58, 33.125,
278.875

■ 58, 33.125,
278.875

■ 53, 41.159,
281.405

■ 63, 25.253,
276.698

■ 48, 49.390,
284.307

■ 68, 17.524,
274.838

■ 44, 57.851,
287.561

■ 73, 9.923, 273.253

■ 40, 66.539,
291.079

■ 78, 2.445, 271.957

■ 36, 75.355,
294.695

■ 83, 4.911, 90.633

■ 33, 81.231,
296.983

■ 87, 12.145, 89.639

■ 92, 19.256, 88.754

■ 96, 24.890, 99.186

■ 99, 29.556,
107.931

Harmonies

Complementary

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



58, 33.125, 278.875



70, 33.267, 85.813

Rectangle

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



58, 33.125, 278.875



58, 33.125, 328.875



58, 33.125, 98.875



58, 33.125, 148.875

Sweetspot

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



58, 33.124, 278.875



92, 11.997, 273.239



73, 33.049, 169.154



48, 8.409, 273.572



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 33.124, 278.875



69, 49.629, 281.274



52, 49.667, 300.916



38, 4.175, 272.699



27, 68.924, 296.439



3, 15.131, 280.062

Inverse Universe

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



57, 36.952, 359.256



68, 54.749, 1.076



77, 44.654, 113.615



38, 4.587, 354.787



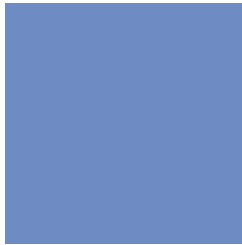
34, 61.112, 17.774



3, 14.734, 1.994

Previews

White Background



This preview shows how the CIELCh color 58, 33.125, 278.875 looks on a white background.

Color Contrast Check

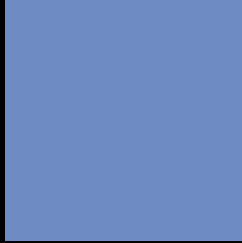
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.125, 278.875 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

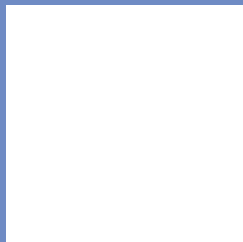
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 33.125, 278.875

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.125, 278.875.

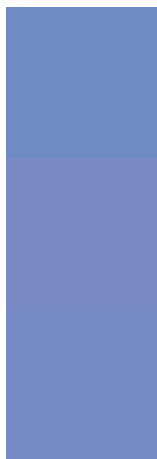


This preview shows how white text looks on a background with the CIELCh color 58, 33.125, 278.875.

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, 33.125, 278.875

Protanopia

58, 33.172, 285.177

Deuteranopia

58, 33.841, 283.392



Tritanopia
58, 16.636, 220.343

Trichromacy



Original Color
58, 33.125, 278.875

Protanomaly
58, 32.788, 282.333

Deuteranomaly
58, 33.930, 282.426

Tritanomaly
58, 19.956, 252.051

Monochromacy



Original Color
58, 33.125, 278.875

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 12.405, 274.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.125, 278.875 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(111, 139, 196)` looks like.

```
.text, #text, p{  
    color:rgb(111, 139, 196)  
}
```

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(111, 139, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 139, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.125, 278.875 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(111, 139, 196) }
```

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

```
.border{ border-color:rgb(111, 139, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 139, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 139, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 139, 196);  
box-shadow:4px 4px 4px 4px rgb(111, 139,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.125, 278.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 139, 196) }
```

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

```
.background{ background-color: rgb(111,  
139, 196) }
```

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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