

Converting Colors

CIELCh(58, 32.086, 294.182)

Have a look what the booklet for
CIELCh(58, 32.086, 294.182)
contains.

CIELCh(58, 31.902, 294.343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 31.902, 294.343)

Conversions

Conversions Part 1

Format	Color
Hex	8786BE
RGB	135, 134, 190
RGB Percent	53%, 53%, 75%
CMY	0.4702, 0.4741, 0.2545
CMYK	0.29, 0.29, 0.00, 0.25
HSL	241°, 30%, 64%
HSV	241°, 29%, 75%
XYZ	27.8545, 25.9610, 52.3212
YIQ	140.6830, -17.3800, 17.6280

Conversions

Conversions Part 2

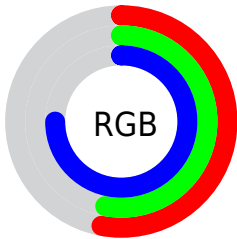
Format	Color
R_{YB}	135, 134, 190
Decimal	8881854
CIE _{Lab}	58.00, 13.15, -29.07
CIE _{LCh}	58, 31.902, 294.343
Yxy	25.9610, 0.2624, 0.2446
Android (android.graphics.Color)	4287071934 (0xFF8786BE)
YUV	140.6830, 24.3133, -4.9840
Hunter-Lab	50.9519, 8.4169, -25.2170

Details

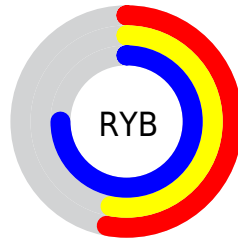
The CIELCh color $58, 31.902, 294.343$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $76, 29.721, 108.140$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 32.220, 294.193$, and $38, 31.361, 293.709$ is the 20% darker color. If you saturate the color by 10%, you get $52, 43.646, 295.930$, and if you desaturate by 10%, it is $64, 20.637, 292.982$.

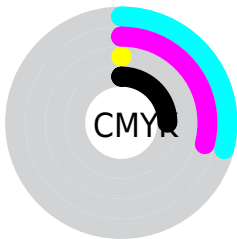
Distribution



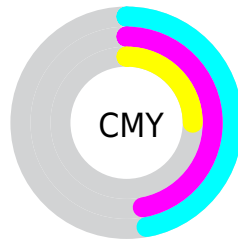
- Red (53%)
- Green (53%)
- Blue (75%)



- Red (53%)
- Yellow (53%)
- Blue (75%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)
- Black (25%)





- Cyan (47%)
- Magenta (47%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 31.902, 294.343 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, 31.902, 294.343 by changing the saturation by 10% instead.


 58, 31.902,
294.343


 58, 31.902,
294.343


 100, 31.902,
294.343


 48, 31.902,
294.343


 78, 31.902,
294.343

 38, 31.902,
294.343

 88, 31.902,
294.343

 28, 31.902,
294.343

 98, 31.902,
294.343

 18, 31.902,
294.343

 8, 31.902, 294.343

 0, 31.902, 294.343

■ 58, 31.902,
294.343

■ 58, 31.902,
294.343

■ 52, 43.646,
295.930

■ 64, 20.637,
292.982

■ 45, 55.855,
297.750

■ 71, 9.834, 291.825

■ 77, 0.542, 110.732

■ 39, 68.402,
299.768

■ 84, 10.521,
109.991

■ 33, 80.894,
301.874

■ 90, 20.135,
109.279

■ 29, 92.428,
303.849

■ 96, 29.408,
108.668

■ 25, 101.460,
305.374

■ 99, 32.655,
107.692

■ 23, 106.940,
306.291

■ 23, 107.212,

Harmonies

Complementary

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



58, 31.902, 294.343



76, 29.721, 108.140

Rectangle

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



58, 31.902, 294.343



58, 31.902, 344.343



58, 31.902, 114.343



58, 31.902, 164.343

Sweetspot

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



58, 31.901, 294.343



90, 11.580, 291.792



73, 18.635, 199.556



47, 8.135, 291.949



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



58, 31.901, 294.343



69, 47.545, 295.284



60, 33.318, 311.039



36, 5.855, 291.813



18, 93.517, 306.351



1, 17.442, 291.138

Inverse Universe

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



63, 36.628, 326.520



77, 53.682, 326.841



74, 32.037, 128.302



37, 6.983, 325.411



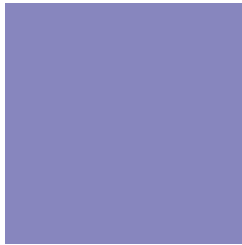
37, 79.737, 328.948



3, 21.118, 326.071

Previews

White Background



This preview shows how the CIELCh color 58, 31.902, 294.343 looks on a white background.

Color Contrast Check

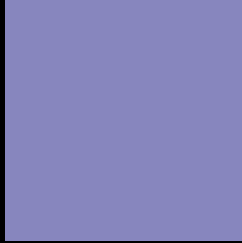
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 58, 31.902, 294.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

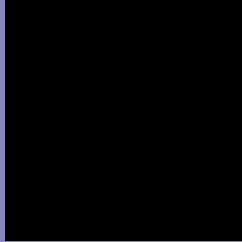
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 31.902, 294.343

Background



This preview shows how black text looks on a background with the CIELCh color 58, 31.902, 294.343.



This preview shows how white text looks on a background with the CIELCh color 58, 31.902, 294.343.

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, 31.902, 294.343

Protanopia

58, 31.992, 285.767

Deuteranopia

58, 29.732, 285.401



Tritanopia
58, 8.432, 253.390

Trichromacy



Original Color
58, 31.902, 294.343

Protanomaly
58, 31.896, 288.554

Deuteranomaly
58, 30.192, 288.628

Tritanomaly
58, 16.115, 281.892

Monochromacy



Original Color
58, 31.902, 294.343

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 11.961, 293.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 31.902, 294.343 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(135, 134, 190)` looks like.

```
.text, #text, p{  
    color:rgb(135, 134, 190)  
}
```

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(135, 134, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 134, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 31.902, 294.343 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(135, 134, 190) }
```

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

```
.border{ border-color:rgb(135, 134, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 134, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 134, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 134, 190);  
box-shadow:4px 4px 4px 4px rgb(135, 134,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 31.902, 294.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 134, 190) }
```

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

```
.background{ background-color: rgb(135,  
134, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor