

Converting Colors

CIELCh(58, 21.188, 303.017)

Have a look what the booklet for
CIELCh(58, 21.188, 303.017)
contains.

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Color

CIELCh(58, 20.964, 303.333)

Conversions

Conversions Part 1

Format	Color
Hex	9186AA
RGB	145, 134, 170
RGB Percent	57%, 53%, 67%
CMY	0.4315, 0.4746, 0.3334
CMYK	0.15, 0.21, 0.00, 0.33
HSL	258°, 17%, 60%
HSV	258°, 21%, 67%
XYZ	27.4464, 25.9610, 41.5801
YIQ	141.3930, -5.0000, 13.5280

Conversions

Conversions Part 2

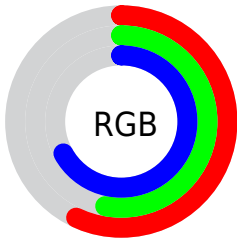
Format	Color
R_{YB}	145, 134, 170
Decimal	9537194
CIE _{Lab}	58.00, 11.52, -17.52
CIE _{LCh}	58, 20.964, 303.333
Yxy	25.9610, 0.2889, 0.2733
Android (android.graphics.Color)	4287727274 (0xFF9186AA)
YUV	141.3930, 14.1033, 3.1633
Hunter-Lab	50.9519, 6.9871, -12.7181

Details

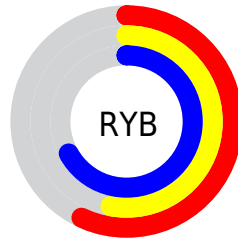
The CIELCh color **58, 20.964, 303.333** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68, 20.138, 120.817**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 20.885, 303.421**, and **38, 21.377, 303.439** is the 20% darker color. If you saturate the color by 10%, you get **53, 31.386, 304.085**, and if you desaturate by 10%, it is **63, 10.876, 302.660**.

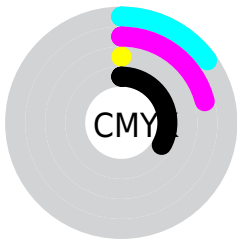
Distribution



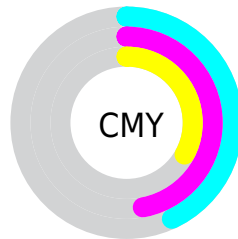
- Red (57%)
- Green (53%)
- Blue (67%)



- Red (57%)
- Yellow (53%)
- Blue (67%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (33%)





- Cyan (43%)
- Magenta (47%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 20.964, 303.333 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, 20.964, 303.333 by changing the saturation by 10% instead.


 58, 20.964,
303.333


 58, 20.964,
303.333


 100, 20.964,
303.333


 48, 20.964,
303.333


 78, 20.964,
303.333

 38, 20.964,
303.333

 88, 20.964,
303.333

 28, 20.964,
303.333

 98, 20.964,
303.333

 18, 20.964,
303.333

 8, 20.964, 303.333

 0, 20.964, 303.333

■ 58, 20.964,
303.333

■ 58, 20.964,
303.333

■ 53, 31.386,
304.085

■ 63, 10.876,
302.660

■ 47, 42.108,
304.913

■ 69, 1.133, 302.035

■ 42, 53.028,
305.799

■ 74, 8.272, 121.564

■ 37, 63.931,
306.698

■ 80, 17.354,
121.113

■ 32, 74.409,
307.533

■ 85, 26.131,
120.725

■ 28, 83.765,
308.175

■ 91, 34.620,
120.391


■ 25, 91.034,
308.456

■ 96, 42.839,
120.103

■ 22, 95.664,

■ 97, 43.018,
114.981

308.455

 98, 42.578,
108.915

Harmonies

Complementary

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



58, 20.964, 303.333



68, 20.138, 120.817

Rectangle

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



58, 20.964, 303.333



58, 20.964, 353.333



58, 20.964, 123.333



58, 20.964, 173.333

Sweetspot

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



58, 20.962, 303.332



84, 7.191, 302.348



64, 10.637, 233.414



45, 4.813, 302.385



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, 20.962, 303.332



71, 30.959, 303.644



60, 23.053, 319.731



33, 5.445, 302.541



19, 86.249, 308.561



1, 9.737, 300.400

Inverse Universe

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



60, 19.716, 335.976



74, 28.936, 336.302



67, 22.827, 137.777



33, 5.190, 335.102



32, 61.488, 344.903



2, 8.903, 337.746

Previews

White Background



This preview shows how the CIELCh color 58, 20.964, 303.333 looks on a white background.

Color Contrast Check

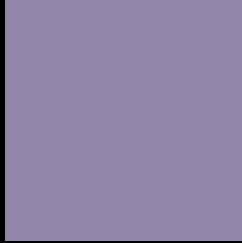
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.964, 303.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

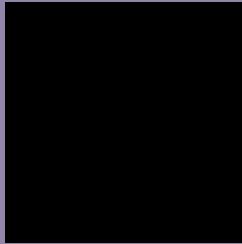
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 20.964, 303.333

Background



This preview shows how black text looks on a background with the CIELCh color 58, 20.964, 303.333.



This preview shows how white text looks on a background with the CIELCh color 58, 20.964, 303.333.

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, 20.964, 303.333

Protanopia

58, 19.991, 285.477

Deuteranopia

58, 18.831, 294.490



Tritanopia
58, 6.382, 301.209

Trichromacy



Original Color
58, 20.964, 303.333

Protanomaly
58, 19.915, 291.436

Deuteranomaly
58, 19.542, 298.681

Tritanomaly
58, 11.569, 300.735

Monochromacy



Original Color
58, 20.964, 303.333

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 8.131, 301.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 20.964, 303.333 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(145, 134, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 134, 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(145, 134, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 134, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 20.964, 303.333 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(145, 134, 170) }
```

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

```
.border{ border-color:rgb(145, 134, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 134, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 134, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 134, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 134,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 20.964, 303.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 134, 170) }
```

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

```
.background{ background-color: rgb(145,  
134, 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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