

Converting Colors

CIELCh(18, 57.804, 307.820)

Have a look what the booklet for
CIELCh(18, 57.804, 307.820)
contains.

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Color

CIELCh(18, 58.156, 307.877)

Conversions

Conversions Part 1

Format	Color
Hex	331870
RGB	51, 24, 112
RGB Percent	20%, 9%, 44%
CMY	0.8004, 0.9062, 0.5612
CMYK	0.55, 0.79, 0.00, 0.56
HSL	258°, 65%, 27%
HSV	258°, 79%, 44%
XYZ	4.6035, 2.5180, 15.5428
YIQ	42.1050, -12.1560, 33.0920

Conversions

Conversions Part 2

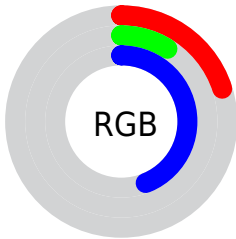
Format	Color
R_{YB}	51, 24, 112
Decimal	3348592
CIE _{Lab}	18.00, 35.71, -45.90
CIE _{LCh}	18, 58.156, 307.877
Yxy	2.5180, 0.2031, 0.1111
Android (android.graphics.Color)	4281538672 (0xFF331870)
YUV	42.1050, 34.4582, 7.8009
Hunter-Lab	15.8683, 24.0141, -46.9660

Details

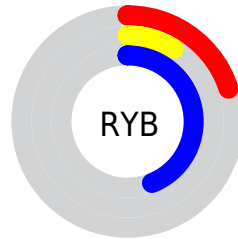
The CIELCh color **18, 58.156, 307.877** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **44, 48.544, 118.722**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 58.620, 307.817**, and **3, 43.514, 301.494** is the 20% darker color. If you saturate the color by 10%, you get **15, 64.256, 308.365**, and if you desaturate by 10%, it is **21, 51.013, 307.146**.

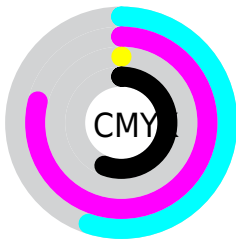
Distribution



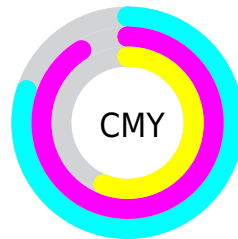
- Red (20%)
- Green (9%)
- Blue (44%)



- Red (20%)
- Yellow (9%)
- Blue (44%)



- Cyan (55%)
- Magenta (79%)
- Yellow (0%)
- Black (56%)





- Cyan (80%)
- Magenta (91%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 58.156, 307.877 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 18, 58.156, 307.877 by changing the saturation by 10% instead.

 18, 58.156,
307.877

 18, 58.156,
307.877


 100, 58.156,
307.877

 8, 58.156, 307.877


 38, 58.156,
307.877

 0, 58.156, 307.877

 48, 58.156,
307.877

 58, 58.156,
307.877


 68, 58.156,
307.877


 78, 58.156,
307.877


 88, 58.156,


307.877


 98, 58.156,
307.877


 18, 58.156,
307.877


 18, 58.156,
307.877


 15, 64.256,
308.365


 21, 51.013,
307.146


 13, 69.499,
308.749

 25, 43.375,
306.304

 13, 70.282,
308.842

 28, 35.601,
305.440

 32, 27.892,
304.611

 36, 20.352,
303.842

■ 40, 13.029,
303.146

■ 44, 5.939, 302.524

■ 48, 0.916, 122.019

■ 52, 7.543, 121.508

Harmonies

Complementary

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



18, 58.156, 307.877



44, 48.544, 118.722

Rectangle

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



18, 58.156, 307.877



18, 58.156, 357.877



18, 58.156, 127.877



18, 58.156, 177.877

Sweetspot

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



18, 58.156, 307.878



49, 21.000, 303.555



34, 22.748, 245.167



23, 14.606, 303.755



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



18, 58.156, 307.878



20, 81.965, 308.478



24, 56.509, 321.369



21, 3.879, 302.546



14, 73.878, 308.769



35, 127.022, 308.250

Inverse Universe

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



26, 46.204, 341.256



32, 60.020, 343.908



41, 55.640, 134.503



22, 3.696, 335.105



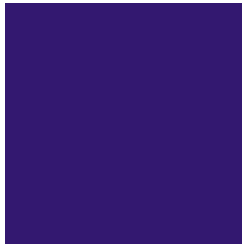
26, 52.972, 344.548



55, 89.511, 345.800

Previews

White Background



This preview shows how the CIE LCh color 18, 58.156, 307.877 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 18, 58.156, 307.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

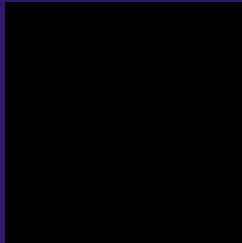
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 58.156, 307.877

Background



This preview shows how black text looks on a background with the CIELCh color 18, 58.156, 307.877.



This preview shows how white text looks on a background with the CIELCh color 18, 58.156, 307.877.

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

18, 58.156, 307.877

Protanopia

18, 34.100, 283.797

Deuteranopia

18, 23.723, 268.615



Tritanopia
19, 7.811, 218.856

Trichromacy



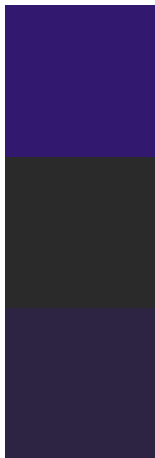
Original Color
18, 58.156, 307.877

Protanomaly
17, 43.331, 295.153

Deuteranomaly
17, 36.028, 291.372

Tritanomaly
17, 24.265, 295.198

Monochromacy



Original Color
18, 58.156, 307.877

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 22.746, 305.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 58.156, 307.877 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(51, 24, 112)` looks like.

```
.text, #text, p{  
    color:rgb(51, 24, 112)  
}
```

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(51, 24, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 24, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 58.156, 307.877 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(51, 24, 112) }
```

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

```
.border{ border-color:rgb(51, 24, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 24, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 24, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 24, 112);  
box-shadow:4px 4px 4px 4px rgb(51, 24,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 58.156, 307.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 24, 112) }
```

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

```
.background{ background-color: rgb(51, 24,  
112) }
```

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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