

Converting Colors

CIELCh(8, 88.206, 328.632)

Have a look what the booklet for
CIELCh(8, 88.206, 328.632) contains.

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Color

CIELCh(18, 52.980, 325.734)

Conversions

Conversions Part 1

Format	Color
Hex	520158
RGB	82, 1, 88
RGB Percent	32%, 0%, 35%
CMY	0.6787, 0.9956, 0.6553
CMYK	0.07, 0.99, 0.00, 0.66
HSL	296°, 97%, 17%
HSV	296°, 99%, 34%
XYZ	5.2431, 2.5180, 9.4182
YIQ	35.1370, 20.3490, 44.2290

Conversions

Conversions Part 2

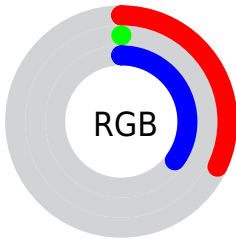
Format	Color
R _Y B	82, 1, 88
Decimal	5374296
CIE Lab	18.00, 43.78, -29.83
CIE LCh	18, 52.980, 325.734
Yxy	2.5180, 0.3052, 0.1466
Android (android.graphics.Color)	4283564376 (0xFF520158)
YUV	35.1370, 26.0615, 41.0989
Hunter-Lab	15.8683, 31.2096, -24.0821

Details

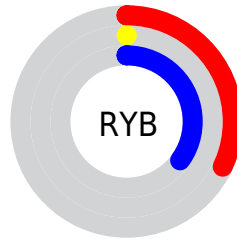
The CIELCh color **18, 52.980, 325.734** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 54.180, 135.471**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 52.840, 325.714**, and **5, 30.675, 321.749** is the 20% darker color. If you saturate the color by 10%, you get **18, 53.352, 325.743**, and if you desaturate by 10%, it is **19, 50.182, 325.683**.

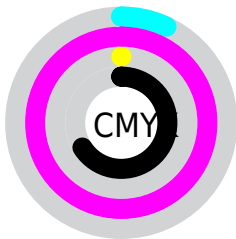
Distribution



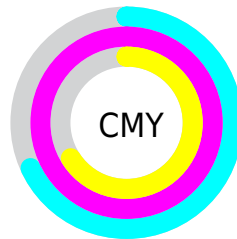
- Red (32%)
- Green (0%)
- Blue (35%)



- Red (32%)
- Yellow (0%)
- Blue (35%)



- Cyan (7%)
- Magenta (99%)
- Yellow (0%)
- Black (66%)



- Cyan (68%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 52.980, 325.734 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, 52.980, 325.734 by changing the saturation by 10% instead.

■ 18, 52.980,
325.734

■ 18, 52.980,
325.734

■ 100, 52.980,
325.734

■ 8, 52.980, 325.734

■ 38, 52.980,
325.734

■ 0, 52.980, 325.734

■ 48, 52.980,
325.734

■ 58, 52.980,
325.734


■ 68, 52.980,
325.734


■ 78, 52.980,
325.734


■ 88, 52.980,

325.734


 98, 52.980,
325.734


 18, 52.980,
325.734


 18, 52.980,
325.734


 18, 53.352,
325.743

 19, 50.182,
325.683

 20, 46.930,
325.593

 22, 42.614,
325.397

 23, 37.429,
325.112

 25, 31.603,
324.755

■ 28, 25.353,
324.348

■ 30, 18.861,
323.906

■ 32, 12.272,
323.445

■ 35, 5.687, 322.968

Harmonies

Complementary

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



18, 52.980, 325.734



32, 54.180, 135.471

Rectangle

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



18, 52.980, 325.734



18, 52.980, 15.734



18, 52.980, 145.734



18, 52.980, 195.734

Sweetspot

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



18, 52.979, 325.734



39, 24.541, 324.009



8, 55.992, 303.751



18, 16.867, 324.129



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 52.979, 325.734



25, 64.343, 325.662



17, 40.183, 351.508



16, 3.608, 322.970



23, 61.264, 325.681



53, 108.943, 325.513

Inverse Universe

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



16, 42.799, 30.945



22, 54.183, 34.600



32, 42.297, 147.357



16, 2.133, 14.252



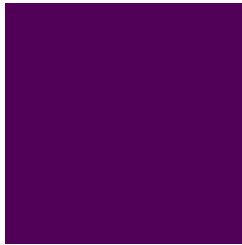
21, 51.136, 33.826



49, 95.427, 37.862

Previews

White Background



This preview shows how the CIELCh color 18, 52.980, 325.734 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, 52.980, 325.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

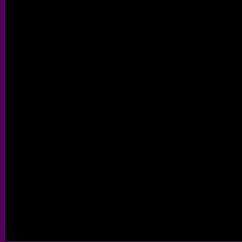
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 52.980, 325.734

Background



This preview shows how black text looks on a background with the CIELCh color 18, 52.980, 325.734.



This preview shows how white text looks on a background with the CIELCh color 18, 52.980, 325.734.

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, 53.068, 325.722

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 24.545, 277.383



Tritanopia
19, 21.451, 19.884

Trichromacy



Original Color
18, 53.068, 325.722

Protanomaly
16, 44.289, 300.320

Deuteranomaly
16, 37.549, 304.329

Tritanomaly
18, 31.258, 344.833

Monochromacy



Original Color
18, 53.068, 325.722

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 24.672, 325.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 52.980, 325.734 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(82, 1, 88)` looks like.

```
.text, #text, p{  
    color:rgb(82, 1, 88)  
}
```

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(82, 1, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 1, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 52.980, 325.734 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(82, 1, 88) }
```

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

```
.border{ border-color:rgb(82, 1, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 1, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 1, 88); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 1, 88); box-shadow:4px  
4px 4px 4px rgb(82, 1, 88) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 52.980, 325.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 1, 88) }
```

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

```
.background{ background-color: rgb(82, 1,  
88) }
```

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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