

Converting Colors

CIELCh(18, 52.786, 326.447)

Have a look what the booklet for
CIELCh(18, 52.786, 326.447)
contains.

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Color

CIELCh(18, 52.902, 326.559)

Conversions

Conversions Part 1

Format	Color
Hex	530057
RGB	83, 0, 87
RGB Percent	33%, 0%, 34%
CMY	0.6749, 1.0000, 0.6592
CMYK	0.05, 1.00, 0.00, 0.66
HSL	297°, 100%, 17%
HSV	297°, 100%, 34%
XYZ	5.2729, 2.5180, 9.2038
YIQ	34.7350, 21.5410, 44.6530

Conversions

Conversions Part 2

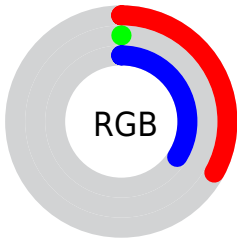
Format	Color
R _Y B	83, 0, 87
Decimal	5439575
CIE Lab	18.00, 44.14, -29.15
CIE LCh	18, 52.902, 326.559
Yxy	2.5180, 0.3103, 0.1482
Android (android.graphics.Color)	4283629655 (0xFF530057)
YUV	34.7350, 25.7666, 42.3284
Hunter-Lab	15.8683, 31.5448, -23.2808

Details

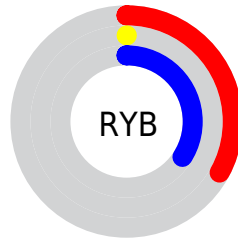
The CIELCh color **18, 52.902, 326.559** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 54.328, 135.559**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 52.588, 326.861**, and **5, 30.233, 323.302** is the 20% darker color. If you saturate the color by 10%, you get **18, 52.861, 326.555**, and if you desaturate by 10%, it is **19, 50.093, 326.462**.

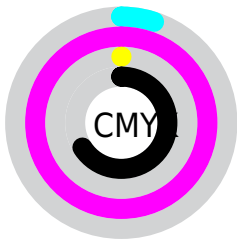
Distribution



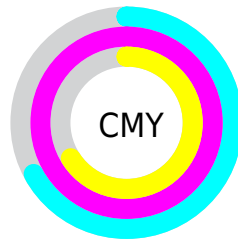
- Red (33%)
- Green (0%)
- Blue (34%)



- Red (33%)
- Yellow (0%)
- Blue (34%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)





- Cyan (67%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 52.902, 326.559 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, 52.902, 326.559 by changing the saturation by 10% instead.

 18, 52.902,
326.559


 18, 52.902,
326.559


 100, 52.902,
326.559


 8, 52.902, 326.559


 38, 52.902,
326.559

 0, 52.902, 326.559

 48, 52.902,
326.559


 58, 52.902,
326.559


 68, 52.902,
326.559


 78, 52.902,
326.559


 88, 52.902,


326.559


 98, 52.902,
326.559


 18, 52.902,
326.559


 18, 52.902,
326.559


 18, 52.861,
326.555

 19, 50.093,
326.462

 20, 47.038,
326.347

 21, 42.923,
326.137

 23, 37.910,
325.842

 25, 32.218,
325.479

■ 27, 26.063,
325.065

■ 29, 19.633,
324.615

■ 32, 13.078,
324.145

■ 34, 6.509, 323.659

Harmonies

Complementary

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



18, 52.902, 326.559



31, 54.328, 135.559

Rectangle

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



18, 52.902, 326.559



18, 52.902, 16.559



18, 52.902, 146.559



18, 52.902, 196.559

Sweetspot

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



18, 52.861, 326.555



38, 24.235, 324.660



7, 57.876, 304.762



17, 16.344, 324.773



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 52.861, 326.555



25, 63.225, 326.502



17, 39.605, 354.366



16, 3.633, 323.598



23, 61.172, 326.511



54, 108.764, 326.396

Inverse Universe

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



16, 43.142, 31.742



22, 53.705, 35.280



32, 41.042, 148.671



16, 2.129, 16.075



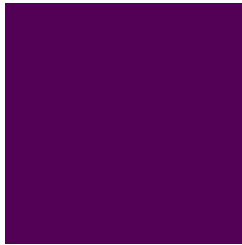
21, 51.630, 34.745



49, 96.372, 38.624

Previews

White Background



This preview shows how the CIELCh color 18, 52.902, 326.559 looks on a white background.

Color Contrast Check

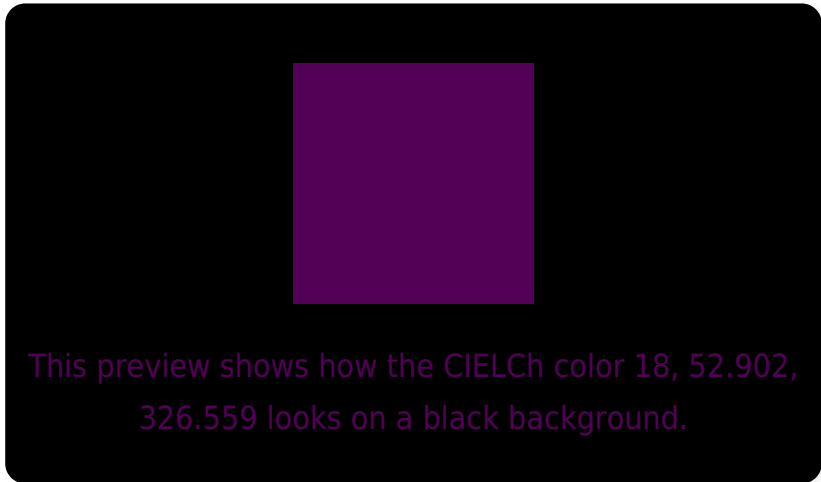
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

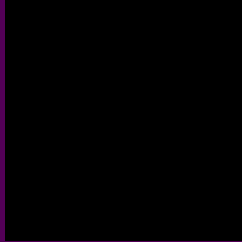
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 52.902, 326.559

Background



This preview shows how black text looks on a background with the CIELCh color 18, 52.902, 326.559.



This preview shows how white text looks on a background with the CIELCh color 18, 52.902, 326.559.

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, 52.902, 326.559

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 23.157, 276.491



Tritanopia
19, 22.079, 21.860

Trichromacy



Original Color
18, 52.902, 326.559

Protanomaly
15, 45.012, 300.808

Deuteranomaly
16, 36.899, 305.358

Tritanomaly
18, 31.199, 346.602

Monochromacy



Original Color
18, 52.902, 326.559

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 25.401, 325.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 52.902, 326.559 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(83, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 87)  
}
```

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(83, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 52.902, 326.559 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(83, 0, 87) }
```

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

```
.border{ border-color:rgb(83, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 87); box-shadow:4px  
4px 4px 4px rgb(83, 0, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 52.902, 326.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 87) }
```

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

```
.background{ background-color: rgb(83, 0,  
87) }
```

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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