

Converting Colors

CIELCh(10, 82.952, 329.293)

Have a look what the booklet for
CIELCh(10, 82.952, 329.293)
contains.

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Color

CIELCh(18, 52.869, 326.975)

Conversions

Conversions Part 1

Format	Color
Hex	530056
RGB	83, 0, 86
RGB Percent	33%, 0%, 34%
CMY	0.6730, 1.0000, 0.6612
CMYK	0.04, 1.00, 0.00, 0.66
HSL	298°, 100%, 17%
HSV	298°, 100%, 34%
XYZ	5.2881, 2.5180, 9.0974
YIQ	34.6210, 21.8620, 44.3420

Conversions

Conversions Part 2

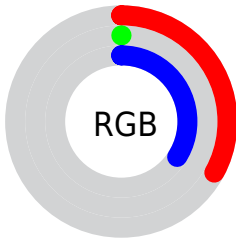
Format	Color
R_{YB}	83, 0, 86
Decimal	5439574
CIE _{Lab}	18.00, 44.33, -28.81
CIE _{LCh}	18, 52.869, 326.975
Yxy	2.5180, 0.3128, 0.1490
Android (android.graphics.Color)	4283629654 (0xFF530056)
YUV	34.6210, 25.3298, 42.4284
Hunter-Lab	15.8683, 31.7156, -22.8836

Details

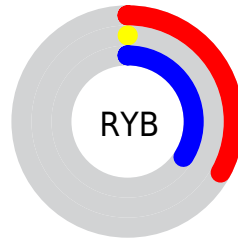
The CIELCh color **18, 52.869, 326.975** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 54.194, 135.666**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 52.140, 327.239**, and **5, 29.583, 323.972** is the 20% darker color. If you saturate the color by 10%, you get **18, 52.622, 326.953**, and if you desaturate by 10%, it is **19, 49.879, 326.840**.

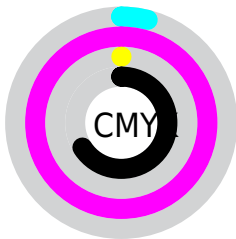
Distribution



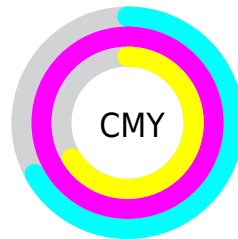
- Red (33%)
- Green (0%)
- Blue (34%)



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



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 52.869, 326.975 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, 52.869, 326.975 by changing the saturation by 10% instead.

■ 18, 52.869,
326.975

■ 18, 52.869,
326.975

■ 100, 52.869,
326.975

■ 8, 52.869, 326.975

■ 38, 52.869,
326.975

■ 0, 52.869, 326.975

■ 48, 52.869,
326.975


■ 58, 52.869,
326.975


■ 68, 52.869,
326.975


■ 78, 52.869,
326.975


■ 88, 52.869,


326.975


 98, 52.869,
326.975


 18, 52.869,
326.975


 18, 52.869,
326.975


 18, 52.622,
326.953

 19, 49.879,
326.840

 20, 46.854,
326.707

 21, 42.775,
326.483

 23, 37.798,
326.178

 25, 32.137,
325.807

■ 27, 26.008,
325.386

■ 29, 19.598,
324.931

■ 32, 13.058,
324.454

■ 34, 6.501, 323.963

Harmonies

Complementary

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



18, 52.869, 326.975



31, 54.194, 135.666

Rectangle

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



18, 52.869, 326.975



18, 52.869, 16.975



18, 52.869, 146.975



18, 52.869, 196.975

Sweetspot

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



18, 52.622, 326.953



38, 24.306, 324.977



7, 57.603, 304.735



17, 16.390, 325.092



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, 52.622, 326.953



25, 63.185, 326.911



17, 39.455, 354.337



16, 3.645, 323.901



24, 61.133, 326.918



54, 108.688, 326.830

Inverse Universe

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



16, 43.100, 32.089



22, 53.969, 35.723



32, 40.864, 148.691



16, 2.128, 16.967



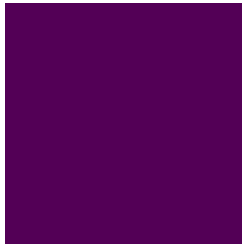
21, 51.876, 35.187



49, 96.780, 38.944

Previews

White Background



This preview shows how the CIELCh color 18, 52.869, 326.975 looks on a white background.

Color Contrast Check

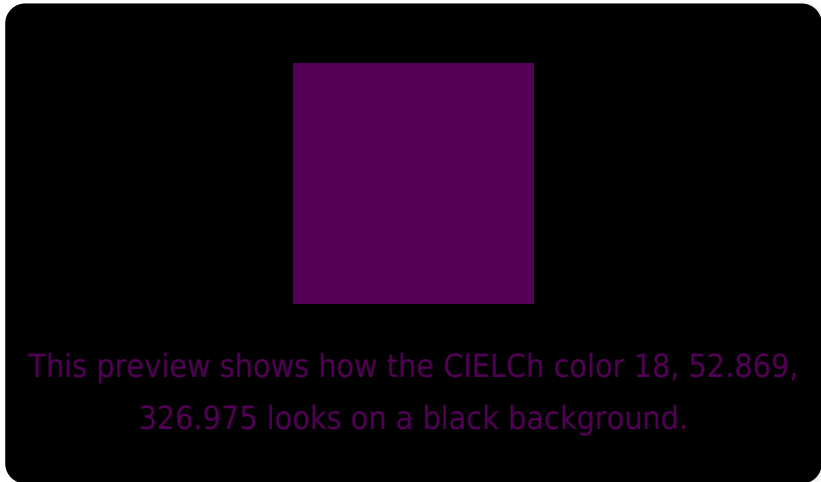
Large Text (above 18pt) WCAG AA ✓ Pass

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

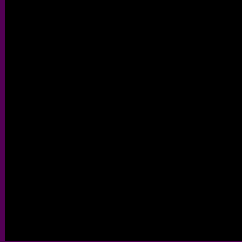
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 52.869, 326.975

Background



This preview shows how black text looks on a background with the CIELCh color 18, 52.869, 326.975.



This preview shows how white text looks on a background with the CIELCh color 18, 52.869, 326.975.

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, 52.450, 326.962

Protanopia

20, 35.107, 283.050

Deuteranopia

20, 22.484, 276.190



Tritanopia
20, 22.581, 22.073

Trichromacy



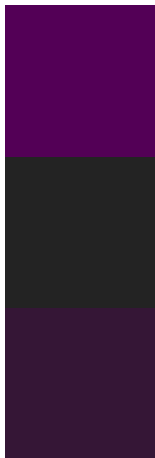
Original Color
18, 52.450, 326.962

Protanomaly
16, 44.289, 300.320

Deuteranomaly
16, 36.261, 305.955

Tritanomaly
18, 31.175, 348.386

Monochromacy



Original Color
18, 52.450, 326.962

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 25.540, 326.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 52.869, 326.975 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 52.869, 326.975 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, 86) }
```

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

```
.border{ border-color:rgb(83, 0, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 86); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 86); box-shadow:4px  
4px 4px 4px rgb(83, 0, 86) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 52.869, 326.975 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, 86) }
```

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

```
.background{ background-color: rgb(83, 0,  
86) }
```

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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