

Converting Colors

CIELCh(18, 52.750, 326.887)

Have a look what the booklet for
CIELCh(18, 52.750, 326.887)
contains.

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Color

CIELCh(18, 52.450, 326.962)

Conversions

Conversions Part 1

Format	Color
Hex	530056
RGB	83, 0, 86
RGB Percent	33%, 0%, 34%
CMY	0.6742, 0.9996, 0.6624
CMYK	0.03, 1.00, 0.00, 0.66
HSL	298°, 100%, 17%
HSV	298°, 100%, 34%
XYZ	5.2584, 2.5180, 9.0294
YIQ	34.6210, 21.8620, 44.3420

Conversions

Conversions Part 2

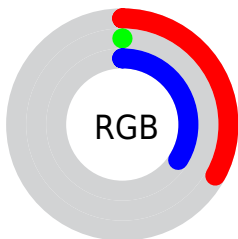
Format	Color
R_{YB}	83, 0, 86
Decimal	5439574
CIE _{Lab}	18.00, 43.97, -28.60
CIE _{LCh}	18, 52.450, 326.962
Yxy	2.5180, 0.3129, 0.1498
Android (android.graphics.Color)	4283629654 (0xFF530056)
YUV	34.6210, 25.3298, 42.4284
Hunter-Lab	15.8683, 31.3817, -22.6295

Details

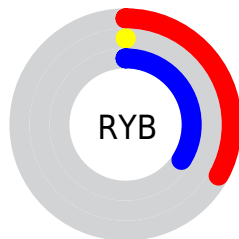
The CIELCh color **18, 52.450, 326.962** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 54.013, 135.679**, and the grayscale version is **13, 0.003, 296.813**.

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, 52.483, 326.964**, and if you desaturate by 10%, it is **19, 49.706, 326.848**.

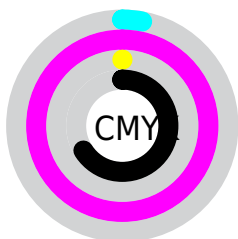
Distribution



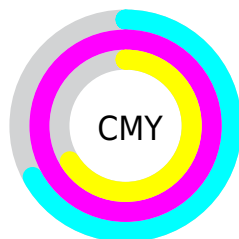
- Red (33%)
- Green (0%)
- Blue (34%)



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



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 52.450, 326.962 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, 52.450, 326.962 by changing the saturation by 10% instead.

 18, 52.450,
326.962

 18, 52.450,
326.962


 100, 52.450,
326.962


 8, 52.450, 326.962


 38, 52.450,
326.962

 0, 52.450, 326.962

 48, 52.450,
326.962


 58, 52.450,
326.962


 68, 52.450,
326.962


 78, 52.450,
326.962


 88, 52.450,

326.962


 98, 52.450,
326.962


 18, 52.450,
326.962


 18, 52.450,
326.962


 18, 52.483,
326.964

 19, 49.706,
326.848

 20, 46.674,
326.713

 21, 42.593,
326.487

 23, 37.619,
326.181

 25, 31.968,
325.809

■ 27, 25.852,
325.387

■ 29, 19.459,
324.932

■ 32, 12.939,
324.455

■ 34, 6.402, 323.964

Harmonies

Complementary

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



18, 52.450, 326.962



31, 54.013, 135.679

Rectangle

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



18, 52.450, 326.962



18, 52.450, 16.962



18, 52.450, 146.962



18, 52.450, 196.962

Sweetspot

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



18, 52.449, 326.962



38, 24.307, 324.985



7, 57.358, 304.699



17, 16.391, 325.100



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, 52.449, 326.962



25, 63.184, 326.921



16, 39.329, 354.293



16, 3.646, 323.909



24, 61.132, 326.928



54, 108.687, 326.841

Inverse Universe

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



15, 42.922, 32.029



22, 53.975, 35.733



31, 40.710, 148.722



16, 2.128, 16.988



21, 51.882, 35.198



49, 96.790, 38.951

Previews

White Background



This preview shows how the CIE LCh color 18, 52.450, 326.962 looks on a white background.

Color Contrast Check

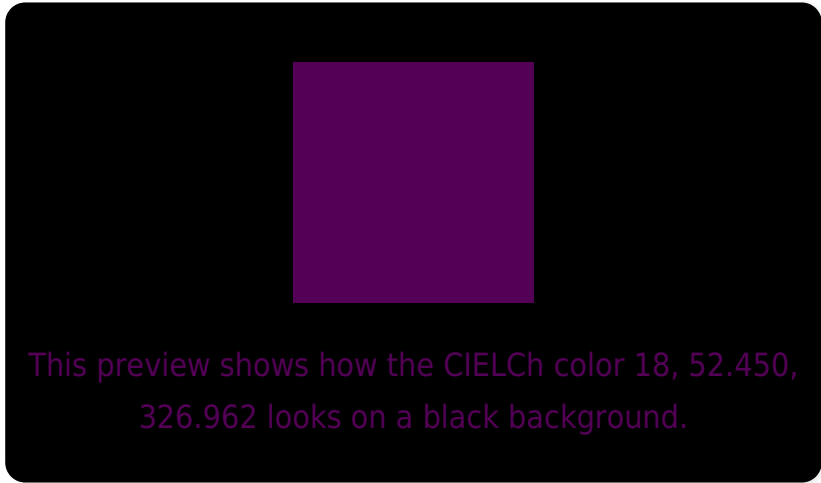
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.450, 326.962

Background



This preview shows how black text looks on a background with the CIELCh color 18, 52.450, 326.962.



This preview shows how white text looks on a background with the CIELCh color 18, 52.450, 326.962.

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

19, 35.791, 284.013

Deuteranopia

20, 23.096, 277.800



Tritanopia
19, 22.079, 21.860

Trichromacy



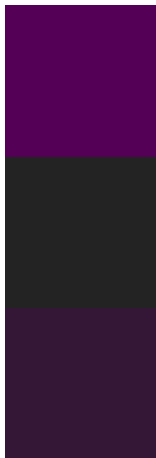
Original Color
18, 52.450, 326.962

Protanomaly
15, 45.012, 300.808

Deuteranomaly
16, 36.261, 305.955

Tritanomaly
18, 30.911, 347.694

Monochromacy



Original Color
18, 52.450, 326.962

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, 52.450, 326.962 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, 52.450, 326.962 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, 52.450, 326.962 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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