

Converting Colors

CIELCh(18, 50.515, 329.334)

Have a look what the booklet for
CIELCh(18, 50.515, 329.334)
contains.

CIELCh(18, 50.653, 329.123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 50.653, 329.123)

Conversions

Conversions Part 1

Format	Color
Hex	540052
RGB	84, 0, 82
RGB Percent	33%, 0%, 32%
CMY	0.6695, 0.9987, 0.6774
CMYK	0.00, 1.00, 0.02, 0.67
HSL	301°, 99%, 17%
HSV	301°, 100%, 33%
XYZ	5.2175, 2.5180, 8.2456
YIQ	34.4640, 23.7420, 43.3100

Conversions

Conversions Part 2

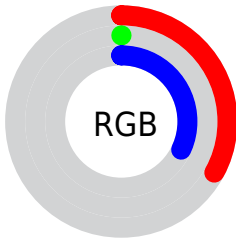
Format	Color
R_{YB}	84, 0, 82
Decimal	5505106
CIE _{Lab}	18.00, 43.47, -25.99
CIE _{LCh}	18, 50.653, 329.123
Yxy	2.5180, 0.3265, 0.1576
Android (android.graphics.Color)	4283695186 (0xFF540052)
YUV	34.4640, 23.4352, 43.4431
Hunter-Lab	15.8683, 30.9215, -19.7008

Details

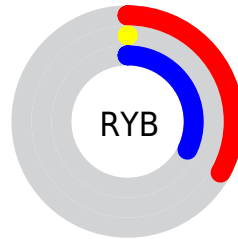
The CIELCh color **18, 50.653, 329.123** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **30, 52.780, 136.531**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 50.495, 329.244**, and **5, 27.943, 327.286** is the 20% darker color. If you saturate the color by 10%, you get **18, 50.759, 329.132**, and if you desaturate by 10%, it is **19, 48.056, 328.893**.

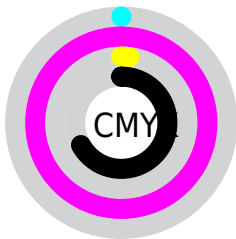
Distribution



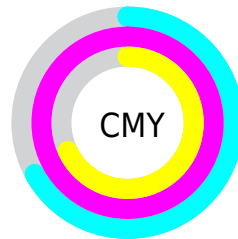
- Red (33%)
- Green (0%)
- Blue (32%)



- Red (33%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (67%)





- Cyan (67%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 50.653, 329.123 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, 50.653, 329.123 by changing the saturation by 10% instead.

 18, 50.653,
329.123

 18, 50.653,
329.123


 100, 50.653,
329.123

 8, 50.653, 329.123

 38, 50.653,
329.123

 0, 50.653, 329.123

 48, 50.653,
329.123

 58, 50.653,
329.123


 68, 50.653,
329.123


 78, 50.653,
329.123


 88, 50.653,


329.123


 98, 50.653,
329.123


 18, 50.653,
329.123


 18, 50.653,
329.123


 18, 50.759,
329.132

 19, 48.056,
328.893

 20, 45.166,
328.640

 21, 41.250,
328.324

 23, 36.453,
327.949

 24, 30.981,
327.525

■ 26, 25.042,
327.062

■ 29, 18.818,
326.573

■ 31, 12.460,
326.068

■ 33, 6.078, 325.549

Harmonies

Complementary

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



18, 50.653, 329.123



30, 52.780, 136.531

Rectangle

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



18, 50.653, 329.123



18, 50.653, 19.123



18, 50.653, 149.123



18, 50.653, 199.123

Sweetspot

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



18, 50.652, 329.123



37, 23.692, 326.644



6, 58.625, 305.848



17, 16.277, 326.771



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, 50.652, 329.123



25, 60.958, 329.164



16, 37.955, 359.695



16, 3.626, 325.507



24, 59.953, 329.161



55, 106.448, 329.225

Inverse Universe

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



18, 50.652, 329.123



25, 60.958, 329.164



31, 37.448, 152.098



16, 3.626, 325.507



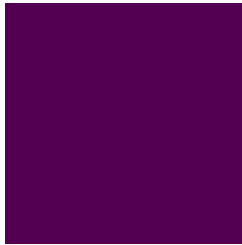
24, 59.953, 329.161



55, 106.448, 329.225

Previews

White Background



This preview shows how the CIELCh color 18, 50.653, 329.123 looks on a white background.

Color Contrast Check

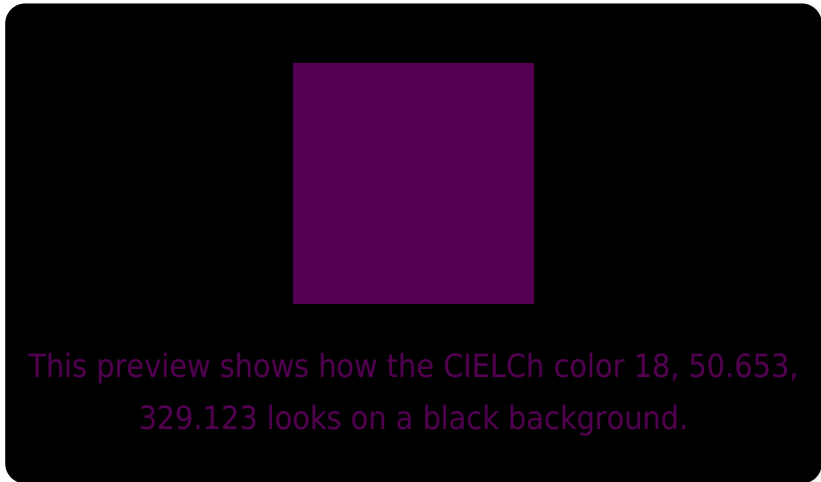
Large Text (above 18pt) WCAG AA ✓ Pass

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

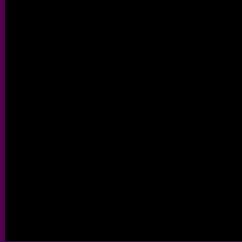
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 50.653, 329.123

Background



This preview shows how black text looks on a background with the CIELCh color 18, 50.653, 329.123.



This preview shows how white text looks on a background with the CIELCh color 18, 50.653, 329.123.

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, 50.653, 329.123

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 20.227, 278.530



Tritanopia
19, 24.242, 22.952

Trichromacy



Original Color
18, 50.653, 329.123

Protanomaly
15, 43.716, 300.936

Deuteranomaly
17, 33.764, 308.786

Tritanomaly
18, 31.921, 350.684

Monochromacy



Original Color
18, 50.653, 329.123

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 24.474, 327.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 50.653, 329.123 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(84, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 82)  
}
```

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(84, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 50.653, 329.123 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(84, 0, 82) }
```

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

```
.border{ border-color:rgb(84, 0, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 0, 82); box-shadow:4px  
4px 4px 4px rgb(84, 0, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 50.653, 329.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 0, 82) }
```

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

```
.background{ background-color: rgb(84, 0,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor