

Converting Colors

CIELCh(10, 84.050, 328.187)

Have a look what the booklet for
CIELCh(10, 84.050, 328.187)
contains.

CIELCh(18, 54.271, 325.407)	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, 54.271, 325.407)

Conversions

Conversions Part 1

Format	Color
Hex	520059
RGB	82, 0, 89
RGB Percent	32%, 0%, 35%
CMY	0.6772, 1.0000, 0.6496
CMYK	0.08, 1.00, 0.00, 0.65
HSL	295°, 100%, 18%
HSV	295°, 100%, 35%
XYZ	5.3172, 2.5180, 9.7355
YIQ	34.6640, 20.3030, 45.0630

Conversions

Conversions Part 2

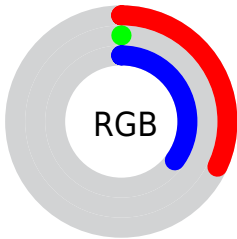
Format	Color
R _Y B	82, 0, 89
Decimal	5374041
CIE Lab	18.00, 44.68, -30.81
CIE LCh	18, 54.271, 325.407
Yxy	2.5180, 0.3026, 0.1433
Android (android.graphics.Color)	4283564121 (0xFF520059)
YUV	34.6640, 26.7876, 41.5137
Hunter-Lab	15.8683, 32.0425, -25.2677

Details

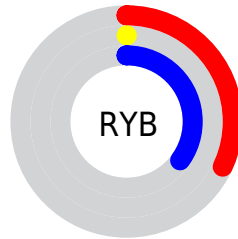
The CIELCh color **18, 54.271, 325.407** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 55.159, 135.259**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 53.854, 325.395**, and **5, 31.343, 321.182** is the 20% darker color. If you saturate the color by 10%, you get **18, 54.006, 325.377**, and if you desaturate by 10%, it is **19, 51.166, 325.341**.

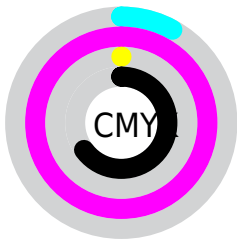
Distribution



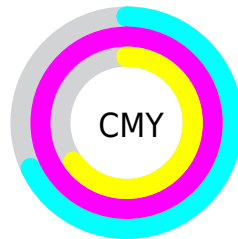
- Red (32%)
- Green (0%)
- Blue (35%)



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



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (65%)




- Cyan (68%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 54.271, 325.407 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, 54.271, 325.407 by changing the saturation by 10% instead.

 18, 54.271,
325.407

 18, 54.271,
325.407

 100, 54.271,
325.407

 8, 54.271, 325.407


 38, 54.271,
325.407

 0, 54.271, 325.407

 48, 54.271,
325.407

 58, 54.271,
325.407


 68, 54.271,
325.407

 78, 54.271,
325.407


 88, 54.271,


325.407

 98, 54.271,
325.407


 18, 54.271,
325.407


 18, 54.271,
325.407


 18, 54.006,
325.377

 19, 51.166,
325.341

 20, 48.004,
325.283

 22, 43.751,
325.112

 23, 38.590,
324.846

 25, 32.754,
324.503

■ 28, 26.467,
324.106

■ 30, 19.918,
323.672

■ 33, 13.258,
323.217

■ 35, 6.596, 322.747

Harmonies

Complementary

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



18, 54.271, 325.407



32, 55.159, 135.259

Rectangle

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



18, 54.271, 325.407



18, 54.271, 15.407



18, 54.271, 145.407



18, 54.271, 195.407

Sweetspot

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



18, 54.006, 325.377



40, 24.923, 323.717



8, 57.403, 304.000



18, 16.824, 323.832



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, 54.006, 325.377



25, 65.411, 325.283



17, 40.896, 351.826



17, 3.776, 322.692



23, 62.342, 325.305



53, 109.928, 325.118

Inverse Universe

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



16, 43.669, 30.866



23, 54.936, 34.406



33, 43.231, 147.110



17, 2.243, 13.449



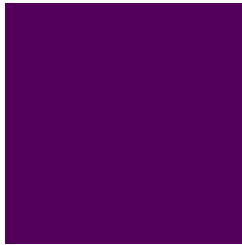
21, 51.933, 33.684



50, 95.755, 37.488

Previews

White Background



This preview shows how the CIELCh color 18, 54.271, 325.407 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, 54.271, 325.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

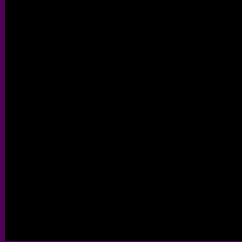
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 54.271, 325.407

Background



This preview shows how black text looks on a background with the CIELCh color 18, 54.271, 325.407.



This preview shows how white text looks on a background with the CIELCh color 18, 54.271, 325.407.

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, 53.856, 325.380

Protanopia

20, 35.107, 283.050

Deuteranopia

20, 24.643, 275.830



Tritanopia
20, 20.996, 21.304

Trichromacy



Original Color
18, 53.856, 325.380

Protanomaly
16, 44.923, 300.409

Deuteranomaly
16, 38.198, 303.831

Tritanomaly
18, 31.258, 344.833

Monochromacy



Original Color
18, 53.856, 325.380

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 25.953, 324.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 54.271, 325.407 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, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 89)  
}
```

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, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 54.271, 325.407 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, 0, 89) }
```

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

```
.border{ border-color:rgb(82, 0, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 0, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 0, 89); box-shadow:4px  
4px 4px 4px rgb(82, 0, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 54.271, 325.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 0, 89) }
```

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

```
.background{ background-color: rgb(82, 0,  
89) }
```

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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