

Converting Colors

CIELCh(18, 54.890, 323.878)

Have a look what the booklet for
CIELCh(18, 54.890, 323.878)
contains.

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Color

CIELCh(18, 54.975, 323.873)

Conversions

Conversions Part 1

Format	Color
Hex	51015C
RGB	81, 1, 92
RGB Percent	32%, 0%, 36%
CMY	0.6835, 0.9975, 0.6403
CMYK	0.12, 0.99, 0.00, 0.64
HSL	293°, 99%, 18%
HSV	293°, 99%, 36%
XYZ	5.2945, 2.5180, 10.2674
YIQ	35.2940, 18.4690, 45.2610

Conversions

Conversions Part 2

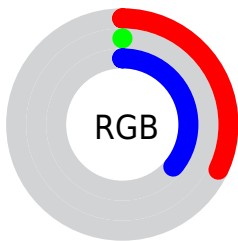
Format	Color
R_{YB}	81, 1, 92
Decimal	5308764
CIE _{Lab}	18.00, 44.40, -32.41
CIE _{LCh}	18, 54.975, 323.873
Yxy	2.5180, 0.2928, 0.1393
Android (android.graphics.Color)	4283498844 (0xFF51015C)
YUV	35.2940, 27.9561, 40.0842
Hunter-Lab	15.8683, 31.7875, -27.2551

Details

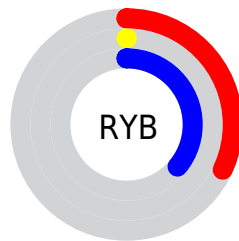
The CIELCh color **18, 54.975, 323.873** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **33, 55.658, 134.947**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 55.159, 324.020**, and **5, 33.193, 318.850** is the 20% darker color. If you saturate the color by 10%, you get **18, 55.190, 323.873**, and if you desaturate by 10%, it is **19, 52.040, 323.908**.

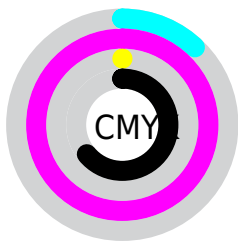
Distribution



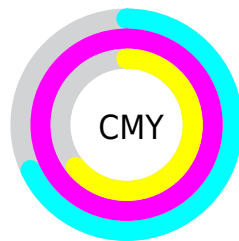
- Red (32%)
- Green (0%)
- Blue (36%)



- Red (32%)
- Yellow (0%)
- Blue (36%)



- Cyan (12%)
- Magenta (99%)
- Yellow (0%)
- Black (64%)





- Cyan (68%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 54.975, 323.873 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, 54.975, 323.873 by changing the saturation by 10% instead.

 18, 54.975,
323.873

 18, 54.975,
323.873

 100, 54.975,
323.873


 8, 54.975, 323.873


 38, 54.975,
323.873

 0, 54.975, 323.873

 48, 54.975,
323.873

 58, 54.975,
323.873


 68, 54.975,
323.873


 78, 54.975,
323.873


 88, 54.975,

323.873


 98, 54.975,
323.873


 18, 54.975,
323.873


 18, 54.975,
323.873


 18, 55.190,
323.873

 19, 52.040,
323.908

 20, 48.658,
323.905

 22, 44.167,
323.770

 24, 38.786,
323.527

 26, 32.762,
323.202

■ 28, 26.324,
322.819

■ 31, 19.660,
322.400

■ 34, 12.913,
321.960

■ 36, 6.184, 321.508

Harmonies

Complementary

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



18, 54.975, 323.873



33, 55.658, 134.947

Rectangle

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



18, 54.975, 323.873



18, 54.975, 13.873



18, 54.975, 143.873



18, 54.975, 193.873

Sweetspot

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



18, 54.974, 323.873



40, 25.097, 322.472



9, 55.605, 302.604



19, 17.254, 322.591



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 54.974, 323.873



25, 66.679, 323.737



18, 42.496, 347.994



17, 3.728, 321.486



22, 62.575, 323.779



51, 110.383, 323.500

Inverse Universe

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



17, 43.737, 29.421



24, 54.763, 32.601



33, 45.826, 145.118



17, 2.260, 10.073



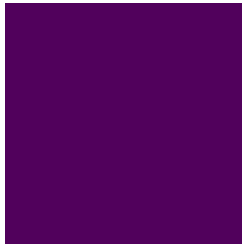
21, 50.963, 31.774



50, 93.472, 35.480

Previews

White Background



This preview shows how the CIELCh color 18, 54.975, 323.873 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 CIELCh color 18, 54.975, 323.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

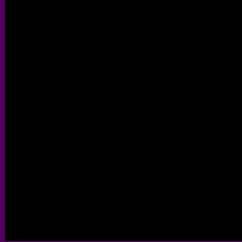
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 54.975, 323.873

Background



This preview shows how black text looks on a background with the CIELCh color 18, 54.975, 323.873.



This preview shows how white text looks on a background with the CIELCh color 18, 54.975, 323.873.

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, 54.975, 323.873

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 26.327, 273.839



Tritanopia
19, 19.408, 20.503

Trichromacy



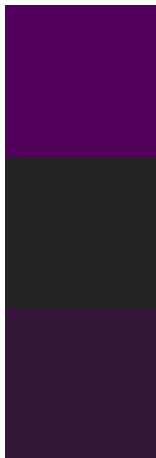
Original Color
18, 54.975, 323.873

Protanomaly
16, 45.583, 300.237

Deuteranomaly
16, 39.616, 300.594

Tritanomaly
18, 30.924, 341.547

Monochromacy



Original Color
18, 54.975, 323.873

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 25.787, 323.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 54.975, 323.873 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(81, 1, 92)` looks like.

```
.text, #text, p{  
    color:rgb(81, 1, 92)  
}
```

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(81, 1, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 1, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 54.975, 323.873 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(81, 1, 92) }
```

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

```
.border{ border-color:rgb(81, 1, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 1, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 1, 92); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 1, 92); box-shadow:4px  
4px 4px 4px rgb(81, 1, 92) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 54.975, 323.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 1, 92) }
```

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

```
.background{ background-color: rgb(81, 1,  
92) }
```

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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