

Converting Colors

CIELCh(12, 75.278, 326.617)

Have a look what the booklet for
CIELCh(12, 75.278, 326.617)
contains.

CIELCh(18, 54.834, 324.264)	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, 54.834, 324.264)

Conversions

Conversions Part 1

Format	Color
Hex	51005B
RGB	81, 0, 91
RGB Percent	32%, 0%, 36%
CMY	0.6817, 0.9993, 0.6426
CMYK	0.11, 1.00, 0.00, 0.64
HSL	293°, 100%, 18%
HSV	293°, 100%, 36%
XYZ	5.3033, 2.5180, 10.1373
YIQ	34.5930, 19.0650, 45.4730

Conversions

Conversions Part 2

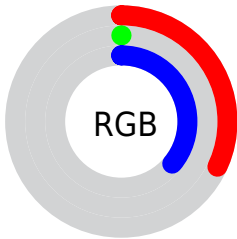
Format	Color
RYB	81, 0, 91
Decimal	5308507
CIELab	18.00, 44.51, -32.03
CIElCh	18, 54.834, 324.264
Yxy	2.5180, 0.2953, 0.1402
Android (android.graphics.Color)	4283498587 (0xFF51005B)
YUV	34.5930, 27.8087, 40.6989
Hunter-Lab	15.8683, 31.8864, -26.7690

Details

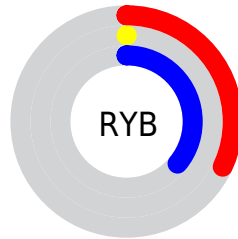
The CIELCh color **18, 54.834, 324.264** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **33, 55.650, 135.002**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 54.691, 324.344**, and **5, 32.510, 319.297** is the 20% darker color. If you saturate the color by 10%, you get **18, 54.895, 324.264**, and if you desaturate by 10%, it is **19, 51.917, 324.280**.

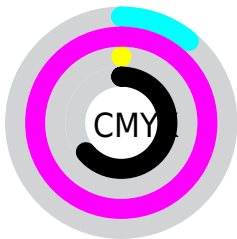
Distribution



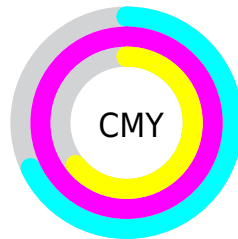
- Red (32%)
- Green (0%)
- Blue (36%)



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



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (64%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 54.834, 324.264 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, 54.834, 324.264 by changing the saturation by 10% instead.

 18, 54.834,
324.264

 18, 54.834,
324.264

 100, 54.834,
324.264

 8, 54.834, 324.264

 38, 54.834,
324.264

 0, 54.834, 324.264

 48, 54.834,
324.264

 58, 54.834,
324.264


 68, 54.834,
324.264

 78, 54.834,
324.264

 88, 54.834,


324.264


 98, 54.834,
324.264

 18, 54.834,
324.264


 18, 54.834,
324.264


 18, 54.895,
324.264

 19, 51.917,
324.280

 20, 48.630,
324.267

 22, 44.232,
324.127

 24, 38.932,
323.882

 26, 32.972,
323.555

■ 28, 26.580,
323.171

■ 31, 19.949,
322.749

■ 33, 13.222,
322.306

■ 36, 6.506, 321.850

Harmonies

Complementary

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



18, 54.834, 324.264



33, 55.650, 135.002

Rectangle

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



18, 54.834, 324.264



18, 54.834, 14.264



18, 54.834, 144.264



18, 54.834, 194.264

Sweetspot

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



18, 54.833, 324.264



39, 24.726, 322.798



9, 56.470, 303.138



18, 16.695, 322.910



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, 54.833, 324.264



25, 65.588, 324.146



18, 42.055, 349.298



17, 3.741, 321.805



23, 62.509, 324.175



52, 110.253, 323.920

Inverse Universe

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



17, 43.851, 29.864



23, 54.138, 32.999



33, 45.129, 145.711



17, 2.255, 10.953



21, 51.233, 32.324



50, 94.105, 36.059

Previews

White Background



This preview shows how the CIELCh color 18, 54.834, 324.264 looks on a white background.

Color Contrast Check

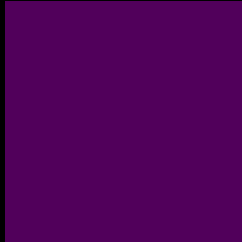
Large Text (above 18pt) WCAG AA ✓ Pass

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, 54.834, 324.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

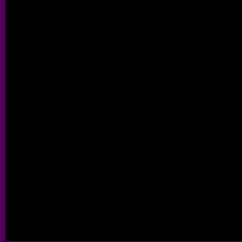
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 54.834, 324.264

Background



This preview shows how black text looks on a background with the CIELCh color 18, 54.834, 324.264.



This preview shows how white text looks on a background with the CIELCh color 18, 54.834, 324.264.

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, 54.834, 324.264

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 26.187, 274.849



Tritanopia
20, 19.914, 20.739

Trichromacy



Original Color
18, 54.834, 324.264

Protanomaly
15, 46.271, 300.966

Deuteranomaly
16, 39.557, 301.735

Tritanomaly
18, 30.805, 343.302

Monochromacy



Original Color
18, 54.834, 324.264

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, 54.834, 324.264 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, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 91)  
}
```

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, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 54.834, 324.264 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, 0, 91) }
```

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

```
.border{ border-color:rgb(81, 0, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 0, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 91); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 0, 91); box-shadow:4px  
4px 4px 4px rgb(81, 0, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 54.834, 324.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 91) }
```

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

```
.background{ background-color: rgb(81, 0,  
91) }
```

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