

Converting Colors

CIELCh(61, 113.412, 18.169)

Have a look what the booklet for
CIELCh(61, 113.412, 18.169)
contains.

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Color

CIELCh(54, 85.847, 16.274)

Conversions

Conversions Part 1

Format	Color
Hex	FF005D
RGB	255, 0, 93
RGB Percent	100%, 0%, 36%
CMY	0.0010, 1.0000, 0.6360
CMYK	0.00, 1.00, 0.64, 0.00
HSL	338°, 100%, 50%
HSV	338°, 100%, 100%
XYZ	43.0991, 21.9746, 12.2812
YIQ	86.8470, 122.1270, 82.9830

Conversions

Conversions Part 2

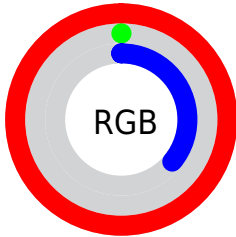
Format	Color
R_{YB}	255, 0, 93
Decimal	16711773
CIE _{Lab}	54.00, 82.41, 24.06
CIE _{LCh}	54, 85.847, 16.274
Yxy	21.9746, 0.5572, 0.2841
Android (android.graphics.Color)	4294901853 (0xFFFF005D)
YUV	86.8470, 3.0334, 147.4702
Hunter-Lab	46.8770, 82.0794, 17.2806

Details

The CIELCh color **54, 85.847, 16.274** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **89, 77.076, 156.627**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.652, 6.641**, and **40, 72.144, 25.374** is the 20% darker color. If you saturate the color by 10%, you get **54, 85.789, 16.307**, and if you desaturate by 10%, it is **55, 82.598, 11.021**.

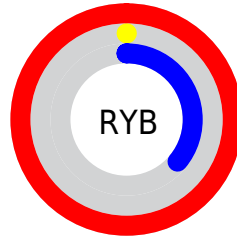
Distribution



Red (100%)

Green (0%)

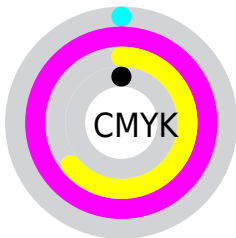
Blue (36%)



Red (100%)

Yellow (0%)

Blue (36%)

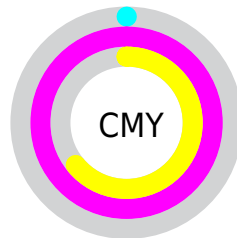


Cyan (0%)

Magenta (100%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (100%)

Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 85.847, 16.274 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 54, 85.847, 16.274 by changing the saturation by 10% instead.

 54, 85.847, 16.274

 54, 85.847, 16.274

 100, 85.847,
16.274

 44, 85.847, 16.274

 74, 85.847, 16.274

 34, 85.847, 16.274

 84, 85.847, 16.274

 24, 85.847, 16.274

 94, 85.847, 16.274

 14, 85.847, 16.274

 4, 85.847, 16.274

 0, 85.847, 16.274

 54, 85.847, 16.274

 54, 85.847, 16.274

 54, 85.789, 16.307

 55, 82.598, 11.021

 57, 77.962, 6.592

60, 71.361, 3.081

64, 62.960, 0.322

69, 53.227,
358.134

75, 42.696,
356.362

81, 31.830,
354.894

87, 20.964,
353.646

93, 10.315,
352.549

Harmonies

Complementary

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



54, 85.847, 16.274



89, 77.076, 156.627

Rectangle

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



54, 85.847, 16.274



54, 85.847, 66.274



54, 85.847, 196.274



54, 85.847, 246.274

Sweetspot

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



54, 85.789, 16.307



81, 31.857, 354.894



45, 121.394, 315.139



40, 21.809, 355.482



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 85.789, 16.307



54, 85.858, 16.310



54, 102.115, 41.458



50, 5.864, 352.497



40, 68.913, 15.255



10, 31.289, 7.824

Inverse Universe

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



54, 85.789, 16.307



54, 85.858, 16.310



81, 43.712, 221.652



50, 5.864, 352.497



40, 68.913, 15.255



10, 31.289, 7.824

Previews

White Background



This preview shows how the CIELCh color 54, 85.847, 16.274 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 54, 85.847, 16.274 looks on a black 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 × Fail

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

CIELCh 54, 85.847, 16.274

Background



This preview shows how black text looks on a background with the CIELCh color 54, 85.847, 16.274.



This preview shows how white text looks on a background with the CIELCh color 54, 85.847, 16.274.

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

54, 85.847, 16.274

Protanopia

55, 3.484, 297.016

Deuteranopia

55, 29.100, 75.941



Tritanopia
54, 94.860, 36.867

Trichromacy



Original Color
54, 85.847, 16.274



Protanomaly
48, 42.078, 356.100



Deuteranomaly
49, 49.894, 23.286



Tritanomaly
54, 91.189, 30.386

Monochromacy



Original Color
54, 85.847, 16.274



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 42.352, 0.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 85.847, 16.274 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(255, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 93)  
}
```

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(255, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 85.847, 16.274 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(255, 0, 93) }
```

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

```
.border{ border-color:rgb(255, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 85.847, 16.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 93) }
```

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

```
.background{ background-color: rgb(255, 0,  
93) }
```

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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