

Converting Colors

CIELCh(53, 84.756, 16.971)

Have a look what the booklet for
CIELCh(53, 84.756, 16.971) contains.

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Color

CIELCh(53, 84.806, 17.049)

Conversions

Conversions Part 1

Format	Color
Hex	FA0059
RGB	250, 0, 89
RGB Percent	98%, 0%, 35%
CMY	0.0196, 0.9997, 0.6510
CMYK	0.00, 1.00, 0.64, 0.02
HSL	339°, 100%, 49%
HSV	339°, 100%, 98%
XYZ	41.2289, 21.0462, 11.3411
YIQ	84.8960, 120.4310, 80.6790

Conversions

Conversions Part 2

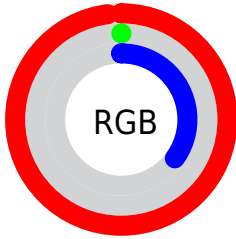
Format	Color
R_{YB}	250, 0, 89
Decimal	16384089
CIE _{Lab}	53.00, 81.08, 24.86
CIE _{LCh}	53, 84.806, 17.049
Yxy	21.0462, 0.5601, 0.2859
Android (android.graphics.Color)	4294574169 (0xFFFA0059)
YUV	84.8960, 2.0233, 144.7962
Hunter-Lab	45.8761, 80.1349, 17.4561

Details

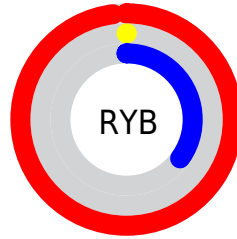
The CIELCh color **53, 84.806, 17.049** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **87, 75.155, 157.248**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.950, 8.368**, and **39, 71.295, 26.485** is the 20% darker color. If you saturate the color by 10%, you get **53, 84.813, 17.068**, and if you desaturate by 10%, it is **54, 81.489, 11.736**.

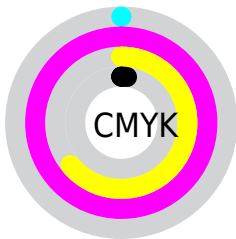
Distribution



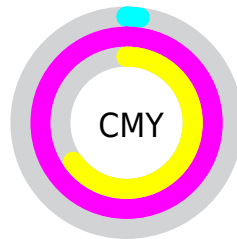
- Red (98%)
- Green (0%)
- Blue (35%)



- Red (98%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 84.806, 17.049 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 53, 84.806, 17.049 by changing the saturation by 10% instead.

 53, 84.806, 17.049

 53, 84.806, 17.049

 100, 84.806,
17.049

 43, 84.806, 17.049

 73, 84.806, 17.049

 33, 84.806, 17.049

 83, 84.806, 17.049

 23, 84.806, 17.049

 93, 84.806, 17.049

 13, 84.806, 17.049

 3, 84.806, 17.049

 0, 84.806, 17.049

 53, 84.806, 17.049

 53, 84.806, 17.049

 53, 84.813, 17.068

 54, 81.489, 11.736

 56, 76.789, 7.268

■ 59, 70.193, 3.721

■ 63, 61.862, 0.934

■ 68, 52.249,
358.724

■ 73, 41.877,
356.937

■ 79, 31.193,
355.458

■ 85, 20.523,
354.202

■ 92, 10.078,
353.100

Harmonies

Complementary

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



53, 84.806, 17.049



87, 75.155, 157.248

Rectangle

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



53, 84.806, 17.049



53, 84.806, 67.049



53, 84.806, 197.049



53, 84.806, 247.049

Sweetspot

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



53, 84.802, 17.051



81, 31.733, 355.466



45, 119.661, 315.152



40, 21.729, 356.059



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 84.802, 17.051



54, 86.116, 17.132



53, 100.629, 41.471



49, 5.740, 353.050



40, 68.396, 16.013



9, 30.461, 8.009

Inverse Universe

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



53, 84.802, 17.051



54, 86.116, 17.132



80, 43.096, 221.615



49, 5.740, 353.050



40, 68.396, 16.013



9, 30.461, 8.009

Previews

White Background



This preview shows how the CIELCh color 53, 84.806, 17.049 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 53, 84.806, 17.049 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 53, 84.806, 17.049

Background



This preview shows how black text looks on a background with the CIELCh color 53, 84.806, 17.049.

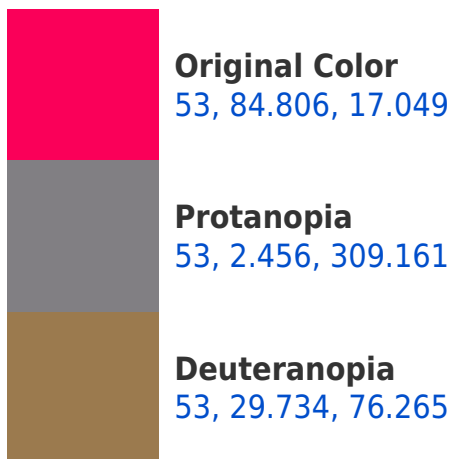


This preview shows how white text looks on a background with the CIELCh color 53, 84.806, 17.049.

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





Tritanopia
53, 93.715, 37.105

Trichromacy



Original Color
53, 84.806, 17.049



Protanomaly
47, 41.486, 357.370



Deuteranomaly
48, 49.937, 24.621



Tritanomaly
53, 90.027, 30.584

Monochromacy



Original Color
53, 84.806, 17.049



Achromatopsia
36, 0.005, 296.813



Achromatomaly
37, 41.477, 1.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 84.806, 17.049 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(250, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 84.806, 17.049 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(250, 0, 89) }
```

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

```
.border{ border-color:rgb(250, 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(250, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 84.806, 17.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 89) }
```

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

```
.background{ background-color: rgb(250, 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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