

Converting Colors

CIELCh(52, 83.239, 16.295)

Have a look what the booklet for
CIELCh(52, 83.239, 16.295) contains.

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Color

CIELCh(52, 83.228, 16.317)

Conversions

Conversions Part 1

Format	Color
Hex	F50159
RGB	245, 1, 89
RGB Percent	96%, 0%, 35%
CMY	0.0394, 0.9964, 0.6511
CMYK	0.00, 1.00, 0.64, 0.04
HSL	338°, 99%, 48%
HSV	338°, 100%, 96%
XYZ	39.4532, 20.1443, 11.2535
YIQ	83.9880, 117.1760, 79.0960

Conversions

Conversions Part 2

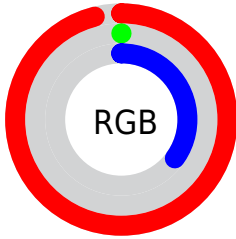
Format	Color
RYB	245, 1, 89
Decimal	16056665
CIELab	52.00, 79.88, 23.38
CIElCh	52, 83.228, 16.317
Yxy	20.1443, 0.5568, 0.2843
Android (android.graphics.Color)	4294246745 (0xFFFF50159)
YUV	83.9880, 2.4709, 141.2075
Hunter-Lab	44.8824, 78.3634, 16.5517

Details

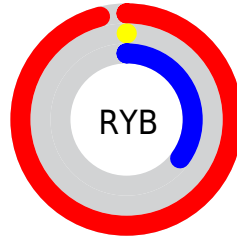
The CIELCh color **52, 83.228, 16.317** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **86, 74.297, 157.001**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.328, 8.123**, and **38, 69.520, 25.818** is the 20% darker color. If you saturate the color by 10%, you get **52, 83.345, 16.516**, and if you desaturate by 10%, it is **53, 80.018, 11.065**.

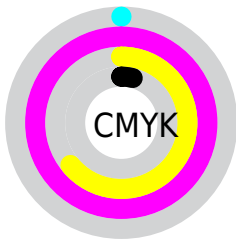
Distribution



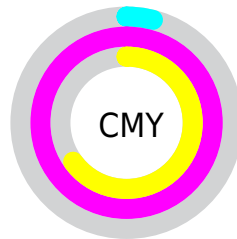
- Red (96%)
- Green (0%)
- Blue (35%)



- Red (96%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (4%)



- Cyan (4%)
- Magenta (100%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 83.228, 16.317 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 52, 83.228, 16.317 by changing the saturation by 10% instead.

 52, 83.228, 16.317

 52, 83.228, 16.317

 100, 83.228,
16.317

 42, 83.228, 16.317

 72, 83.228, 16.317

 32, 83.228, 16.317

 82, 83.228, 16.317

 22, 83.228, 16.317

 92, 83.228, 16.317

 12, 83.228, 16.317

 2, 83.228, 16.317

 0, 83.228, 16.317

 52, 83.228, 16.317

 52, 83.228, 16.317

 52, 83.345, 16.516

 53, 80.018, 11.065

 55, 75.382, 6.675

■ 58, 68.859, 3.196

■ 62, 60.627, 0.461

■ 67, 51.142,
358.289

■ 72, 40.918,
356.529

■ 78, 30.393,
355.070

■ 84, 19.885,
353.828

■ 90, 9.597, 352.734

Harmonies

Complementary

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



52, 83.228, 16.317



86, 74.297, 157.001

Rectangle

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



52, 83.228, 16.317



52, 83.228, 66.317



52, 83.228, 196.317



52, 83.228, 246.317

Sweetspot

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



52, 83.224, 16.319



81, 31.806, 355.128



44, 117.701, 315.187



40, 21.776, 355.718



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 83.224, 16.319



54, 85.961, 16.647



52, 98.842, 41.451



48, 5.659, 352.719



39, 67.587, 15.475



9, 29.615, 7.023

Inverse Universe

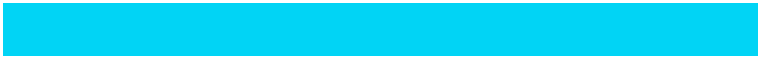
The Inverse Universe completely reimagines the original color for something new.



52, 83.224, 16.319



54, 85.961, 16.647



78, 42.428, 221.498



48, 5.659, 352.719



39, 67.587, 15.475



9, 29.615, 7.023

Previews

White Background



This preview shows how the CIELCh color 52, 83.228, 16.317 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 52, 83.228, 16.317 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 52, 83.228, 16.317

Background



This preview shows how black text looks on a background with the CIELCh color 52, 83.228, 16.317.



This preview shows how white text looks on a background with the CIELCh color 52, 83.228, 16.317.

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

52, 83.228, 16.317

Protanopia

53, 2.934, 298.243

Deuteranopia

53, 28.579, 76.050



Tritanopia
52, 91.696, 36.774

Trichromacy



Original Color
52, 83.228, 16.317



Protanomaly
46, 40.519, 356.355



Deuteranomaly
47, 48.575, 23.781



Tritanomaly
52, 88.277, 30.234

Monochromacy



Original Color
52, 83.228, 16.317



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 40.791, 0.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 83.228, 16.317 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(245, 1, 89)` looks like.

```
.text, #text, p{  
    color:rgb(245, 1, 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(245, 1, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 1, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 83.228, 16.317 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(245, 1, 89) }
```

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

```
.border{ border-color:rgb(245, 1, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 1, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 1, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 1, 89);  
box-shadow:4px 4px 4px 4px rgb(245, 1, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 83.228, 16.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 1, 89) }
```

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

```
.background{ background-color: rgb(245, 1,  
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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