

Converting Colors

CIELCh(52, 83.067, 15.491)

Have a look what the booklet for
CIELCh(52, 83.067, 15.491) contains.

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Color

CIELCh(52, 83.067, 15.492)

Conversions

Conversions Part 1

Format	Color
Hex	F5005B
RGB	245, 0, 91
RGB Percent	96%, 0%, 36%
CMY	0.0396, 1.0000, 0.6434
CMYK	0.00, 1.00, 0.63, 0.04
HSL	338°, 100%, 48%
HSV	338°, 100%, 96%
XYZ	39.5082, 20.1443, 11.6891
YIQ	83.6290, 116.8090, 80.2410

Conversions

Conversions Part 2

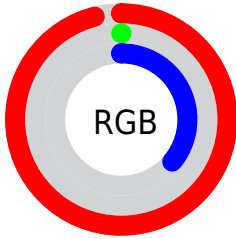
Format	Color
R_{YB}	245, 0, 91
Decimal	16056411
CIE _{Lab}	52.00, 80.05, 22.19
CIE _{LCh}	52, 83.067, 15.492
Yxy	20.1443, 0.5538, 0.2824
Android (android.graphics.Color)	4294246491 (0xFFFF5005B)
YUV	83.6290, 3.6339, 141.5224
Hunter-Lab	44.8824, 78.5821, 15.9764

Details

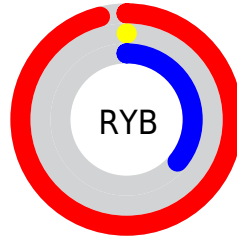
The CIELCh color **52, 83.067, 15.492** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **86, 75.380, 156.205**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.366, 7.144**, and **38, 69.069, 24.887** is the 20% darker color. If you saturate the color by 10%, you get **52, 83.048, 15.503**, and if you desaturate by 10%, it is **53, 80.038, 10.295**.

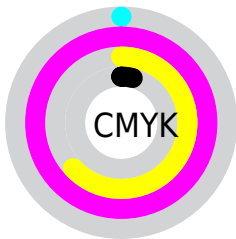
Distribution



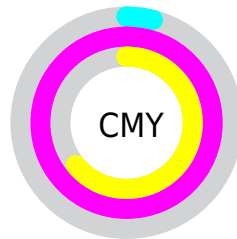
- Red (96%)
- Green (0%)
- Blue (36%)



- Red (96%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (4%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 83.067, 15.492 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, 83.067, 15.492 by changing the saturation by 10% instead.

 52, 83.067, 15.492

 52, 83.067, 15.492

 100, 83.067,
15.492

 42, 83.067, 15.492

 72, 83.067, 15.492

 32, 83.067, 15.492

 82, 83.067, 15.492

 22, 83.067, 15.492

 92, 83.067, 15.492

 12, 83.067, 15.492

 2, 83.067, 15.492

 0, 83.067, 15.492

 52, 83.067, 15.492

 52, 83.067, 15.492

 52, 83.048, 15.503

 53, 80.038, 10.295

 55, 75.602, 5.939

■ 58, 69.236, 2.488

■ 62, 61.110,
359.776

■ 67, 51.682,
357.621

■ 72, 41.474,
355.873

■ 78, 30.930,
354.422

■ 84, 20.379,
353.186

■ 90, 10.030,
352.097

Harmonies

Complementary

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



52, 83.067, 15.492



86, 75.380, 156.205

Rectangle

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



52, 83.067, 15.492



52, 83.067, 65.492



52, 83.067, 195.492



52, 83.067, 245.492

Sweetspot

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



52, 83.048, 15.503



81, 31.961, 354.431



43, 118.225, 314.683



40, 21.876, 355.014



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, 83.048, 15.503



54, 85.662, 15.634



52, 99.515, 41.196



48, 5.693, 352.043



39, 67.384, 14.473



9, 29.620, 6.238

Inverse Universe

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



52, 83.048, 15.503



54, 85.662, 15.634



80, 42.760, 218.023



48, 5.693, 352.043



39, 67.384, 14.473



9, 29.620, 6.238

Previews

White Background



This preview shows how the CIELCh color 52, 83.067, 15.492 looks on a white background.

Color Contrast Check

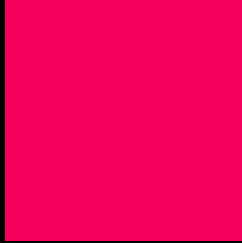
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.067, 15.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

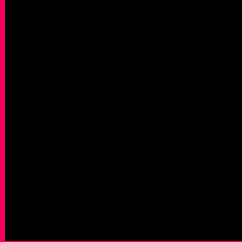
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 83.067, 15.492

Background



This preview shows how black text looks on a background with the CIELCh color 52, 83.067, 15.492.



This preview shows how white text looks on a background with the CIELCh color 52, 83.067, 15.492.

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, 83.067, 15.492

Protanopia

53, 4.661, 295.549

Deuteranopia

52, 27.326, 75.885



Tritanopia
52, 91.319, 36.642

Trichromacy



Original Color
52, 83.067, 15.492



Protanomaly
46, 41.058, 354.046



Deuteranomaly
47, 48.201, 21.863



Tritanomaly
52, 87.694, 29.668

Monochromacy



Original Color
52, 83.067, 15.492



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 41.381, 359.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 83.067, 15.492 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, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 83.067, 15.492 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, 0, 91) }
```

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

```
.border{ border-color:rgb(245, 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(245, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 83.067, 15.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 91) }
```

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

```
.background{ background-color: rgb(245, 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](#).

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