

Converting Colors

CIELCh(53, 90.056, 27.495)

Have a look what the booklet for
CIELCh(53, 90.056, 27.495) contains.

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Color

CIELCh(53, 89.861, 27.434)

Conversions

Conversions Part 1

Format	Color
Hex	FB073D
RGB	251, 7, 61
RGB Percent	98%, 3%, 24%
CMY	0.0147, 0.9725, 0.7601
CMYK	0.00, 0.97, 0.76, 0.01
HSL	347°, 97%, 51%
HSV	347°, 97%, 99%
XYZ	40.7978, 21.0462, 6.3512
YIQ	86.1120, 128.0900, 68.5220

Conversions

Conversions Part 2

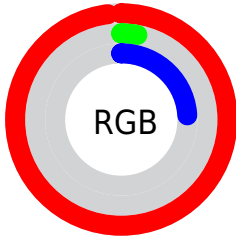
Format	Color
RYB	251, 7, 61
Decimal	16451389
CIELab	53.00, 79.76, 41.40
CIELCh	53, 89.861, 27.434
Yxy	21.0462, 0.5983, 0.3086
Android (android.graphics.Color)	4294641469 (0xFFFB073D)
YUV	86.1120, -12.3802, 144.6068
Hunter-Lab	45.8761, 78.4576, 23.9051

Details

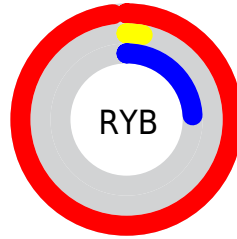
The CIELCh color **53, 89.861, 27.434** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **89, 62.889, 168.845**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.746, 23.197**, and **38, 77.800, 35.709** is the 20% darker color. If you saturate the color by 10%, you get **53, 91.482, 28.928**, and if you desaturate by 10%, it is **54, 83.864, 22.009**.

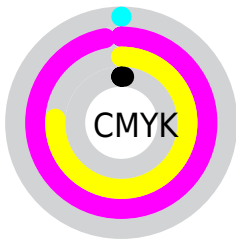
Distribution



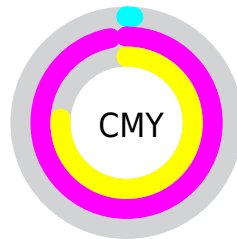
- Red (98%)
- Green (3%)
- Blue (24%)



- Red (98%)
- Yellow (3%)
- Blue (24%)



- Cyan (0%)
- Magenta (97%)
- Yellow (76%)
- Black (1%)



- Cyan (1%)
- Magenta (97%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 89.861, 27.434 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, 89.861, 27.434 by changing the saturation by 10% instead.

 53, 89.861, 27.434

 53, 89.861, 27.434

 100, 89.861,
27.434

 43, 89.861, 27.434

 73, 89.861, 27.434

 33, 89.861, 27.434

 83, 89.861, 27.434

 23, 89.861, 27.434

 93, 89.861, 27.434

 13, 89.861, 27.434

 3, 89.861, 27.434

 0, 89.861, 27.434

 53, 89.861, 27.434

 53, 89.861, 27.434

 53, 91.482, 28.928

 54, 83.864, 22.009

 57, 76.687, 17.298

60, 68.180, 13.469

64, 58.547, 10.441

69, 48.193, 8.054

75, 37.551, 6.152

81, 26.969, 4.607

87, 16.679, 3.322

94, 6.815, 2.199

Harmonies

Complementary

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



53, 89.861, 27.434



89, 62.889, 168.845

Rectangle

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



53, 89.861, 27.434



53, 89.861, 77.434



53, 89.861, 207.434



53, 89.861, 257.434

Sweetspot

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



53, 89.857, 27.436



81, 29.199, 4.866



50, 116.408, 319.565



40, 20.196, 5.510



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, 89.857, 27.436



54, 92.551, 28.975



57, 93.815, 45.600



49, 5.383, 2.450



39, 73.130, 27.867



9, 30.887, 16.681

Inverse Universe

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



53, 89.857, 27.436



54, 92.551, 28.975



71, 45.900, 249.311



49, 5.383, 2.450



39, 73.130, 27.867



9, 30.887, 16.681

Previews

White Background



This preview shows how the CIELCh color 53, 89.861, 27.434 looks on a white background.

Color Contrast Check

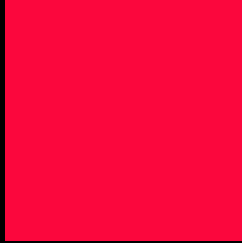
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.861, 27.434 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, 89.861, 27.434

Background



This preview shows how black text looks on a background with the CIELCh color 53, 89.861, 27.434.



This preview shows how white text looks on a background with the CIELCh color 53, 89.861, 27.434.

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

53, 89.811, 27.469

Protanopia

53, 20.524, 95.242

Deuteranopia

53, 45.292, 81.139



Tritanopia
53, 98.934, 39.195

Trichromacy



Original Color
53, 89.811, 27.469

Protanomaly
47, 43.699, 27.242

Deuteranomaly
49, 58.353, 41.542

Tritanomaly
53, 96.017, 35.936

Monochromacy



Original Color
53, 89.811, 27.469

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 40.083, 10.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 89.861, 27.434 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(251, 7, 61)` looks like.

```
.text, #text, p{  
    color:rgb(251, 7, 61)  
}
```

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(251, 7, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 7, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 89.861, 27.434 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(251, 7, 61) }
```

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

```
.border{ border-color:rgb(251, 7, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 7, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 7, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 7, 61);  
box-shadow:4px 4px 4px 4px rgb(251, 7, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 89.861, 27.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 7, 61) }
```

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

```
.background{ background-color: rgb(251, 7,  
61) }
```

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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