

Converting Colors

CIELCh(52, 89.864, 28.209)

Have a look what the booklet for
CIELCh(52, 89.864, 28.209) contains.

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Color

CIELCh(52, 89.732, 28.160)

Conversions

Conversions Part 1

Format	Color
Hex	F70139
RGB	247, 1, 57
RGB Percent	97%, 0%, 22%
CMY	0.0303, 0.9958, 0.7757
CMYK	0.00, 1.00, 0.77, 0.03
HSL	346°, 99%, 49%
HSV	346°, 100%, 97%
XYZ	39.2109, 20.1443, 5.7175
YIQ	80.9380, 128.6400, 69.5680

Conversions

Conversions Part 2

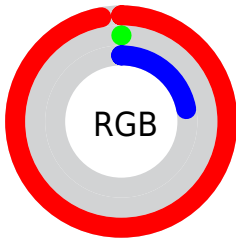
Format	Color
R_{YB}	247, 1, 57
Decimal	16187705
CIE _{Lab}	52.00, 79.11, 42.35
CIE _{LCh}	52, 89.732, 28.160
Yxy	20.1443, 0.6026, 0.3096
Android (android.graphics.Color)	4294377785 (0xFFFF70139)
YUV	80.9380, -11.8014, 145.6364
Hunter-Lab	44.8824, 77.3998, 23.8649

Details

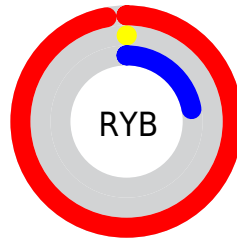
The CIELCh color **52, 89.732, 28.160** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **87, 63.180, 167.806**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.148, 24.852**, and **38, 77.373, 36.615** is the 20% darker color. If you saturate the color by 10%, you get **52, 89.978, 28.389**, and if you desaturate by 10%, it is **53, 84.046, 22.690**.

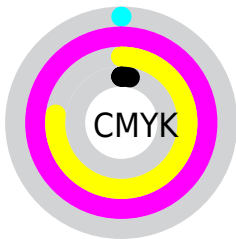
Distribution



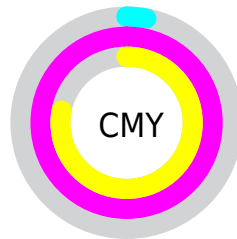
- Red (97%)
- Green (0%)
- Blue (22%)



- Red (97%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 89.732, 28.160 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, 89.732, 28.160 by changing the saturation by 10% instead.

■ 52, 89.732, 28.160

■ 52, 89.732, 28.160

■ 100, 89.732,
28.160

■ 42, 89.732, 28.160

■ 72, 89.732, 28.160

■ 32, 89.732, 28.160

■ 82, 89.732, 28.160

■ 22, 89.732, 28.160

■ 92, 89.732, 28.160

■ 12, 89.732, 28.160

■ 2, 89.732, 28.160

■ 0, 89.732, 28.160

■ 52, 89.732, 28.160

■ 52, 89.732, 28.160

■ 52, 89.978, 28.389

■ 53, 84.046, 22.690

■ 55, 77.359, 17.794

■ 58, 69.338, 13.781

■ 62, 60.109, 10.596

■ 67, 50.049, 8.088

■ 73, 39.593, 6.094

■ 78, 29.112, 4.480

■ 85, 18.864, 3.144

■ 91, 9.005, 1.996

Harmonies

Complementary

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



52, 89.732, 28.160



87, 63.180, 167.806

Rectangle

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



52, 89.732, 28.160



52, 89.732, 78.160



52, 89.732, 208.160



52, 89.732, 258.160

Sweetspot

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



52, 89.728, 28.162



80, 30.312, 4.551



49, 115.612, 319.434



40, 20.835, 5.199



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, 89.728, 28.162



54, 92.174, 28.489



56, 94.305, 45.409



48, 5.305, 1.987



39, 72.078, 27.315



9, 29.893, 15.351

Inverse Universe

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



52, 89.728, 28.162



54, 92.174, 28.489



69, 45.801, 250.409



48, 5.305, 1.987



39, 72.078, 27.315



9, 29.893, 15.351

Previews

White Background



This preview shows how the CIELCh color 52, 89.732, 28.160 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, 89.732, 28.160 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, 89.732, 28.160

Background



This preview shows how black text looks on a background with the CIELCh color 52, 89.732, 28.160.



This preview shows how white text looks on a background with the CIELCh color 52, 89.732, 28.160.

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, 89.682, 28.197

Protanopia

52, 22.342, 94.710

Deuteranopia

52, 46.640, 81.459



Tritanopia
52, 98.790, 39.568

Trichromacy



Original Color
52, 89.682, 28.197



Protanomaly
46, 44.334, 28.843



Deuteranomaly
47, 59.228, 41.616



Tritanomaly
52, 96.157, 36.550

Monochromacy



Original Color
52, 89.682, 28.197



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 40.292, 11.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 89.732, 28.160 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(247, 1, 57)` looks like.

```
.text, #text, p{  
    color:rgb(247, 1, 57)  
}
```

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(247, 1, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 1, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 89.732, 28.160 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(247, 1, 57) }
```

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

```
.border{ border-color:rgb(247, 1, 57) }
```

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

Here you see how a box with a 4 pixel rgb(247, 1, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 1, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 1, 57);  
box-shadow:4px 4px 4px 4px rgb(247, 1, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 89.732, 28.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 1, 57) }
```

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

```
.background{ background-color: rgb(247, 1,  
57) }
```

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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