

Converting Colors

CIELCh(52, 88.492, 28.811)

Have a look what the booklet for
CIELCh(52, 88.492, 28.811) contains.

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Color

CIELCh(52, 88.435, 28.940)

Conversions

Conversions Part 1

Format	Color
Hex	F51138
RGB	245, 17, 56
RGB Percent	96%, 7%, 22%
CMY	0.0381, 0.9341, 0.7796
CMYK	0.00, 0.93, 0.77, 0.04
HSL	350°, 92%, 51%
HSV	350°, 93%, 96%
XYZ	38.6702, 20.1443, 5.6161
YIQ	89.6180, 123.3690, 60.4650

Conversions

Conversions Part 2

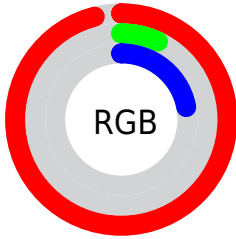
Format	Color
R_{YB}	245, 17, 56
Decimal	16060728
CIE _{Lab}	52.00, 77.39, 42.79
CIE _{LCh}	52, 88.435, 28.940
Yxy	20.1443, 0.6002, 0.3127
Android (android.graphics.Color)	4294250808 (0xFFFF51138)
YUV	89.6180, -16.5737, 136.2700
Hunter-Lab	44.8824, 75.2494, 23.9988

Details

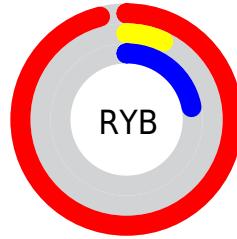
The CIELCh color **52, 88.435, 28.940** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **87, 57.237, 174.589**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.448, 26.241**, and **37, 76.905, 36.795** is the 20% darker color. If you saturate the color by 10%, you get **51, 92.801, 32.444**, and if you desaturate by 10%, it is **54, 81.273, 23.877**.

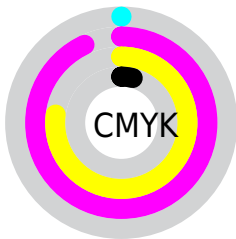
Distribution



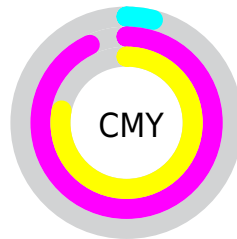
- Red (96%)
- Green (7%)
- Blue (22%)



- Red (96%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (93%)
- Yellow (77%)
- Black (4%)



- Cyan (4%)
- Magenta (93%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 88.435, 28.940 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, 88.435, 28.940 by changing the saturation by 10% instead.

 52, 88.435, 28.940

 52, 88.435, 28.940

 100, 88.435,
28.940

 42, 88.435, 28.940

 72, 88.435, 28.940

 32, 88.435, 28.940

 82, 88.435, 28.940

 22, 88.435, 28.940

 92, 88.435, 28.940

 12, 88.435, 28.940

 2, 88.435, 28.940

 0, 88.435, 28.940

 52, 88.435, 28.940

 52, 88.435, 28.940

 51, 92.801, 32.444

 54, 81.273, 23.877

 56, 72.953, 19.506

60, 63.559, 15.962

65, 53.392, 13.162

70, 42.852, 10.956

76, 32.309, 9.200

82, 22.030, 7.775

88, 12.180, 6.588

95, 2.836, 5.446

Harmonies

Complementary

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



52, 88.435, 28.940



87, 57.237, 174.589

Rectangle

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



52, 88.435, 28.940



52, 88.435, 78.940



52, 88.435, 208.940



52, 88.435, 258.940

Sweetspot

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



52, 88.431, 28.942



81, 27.839, 8.440



52, 112.420, 321.501



41, 19.412, 9.081



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, 88.431, 28.942



53, 95.683, 32.559



59, 86.809, 48.715



48, 5.203, 6.190



39, 74.734, 31.480



8, 30.108, 17.946

Inverse Universe

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



52, 88.431, 28.942



53, 95.683, 32.559



67, 47.315, 256.639



48, 5.203, 6.190



39, 74.734, 31.480



8, 30.108, 17.946

Previews

White Background



This preview shows how the CIELCh color 52, 88.435, 28.940 looks on a white background.

Color Contrast Check

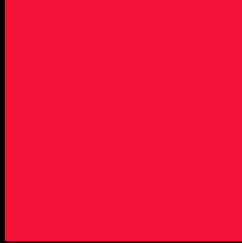
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.435, 28.940 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, 88.435, 28.940

Background



This preview shows how black text looks on a background with the CIELCh color 52, 88.435, 28.940.



This preview shows how white text looks on a background with the CIELCh color 52, 88.435, 28.940.

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, 88.366, 28.991

Protanopia

52, 23.348, 96.196

Deuteranopia

52, 46.847, 82.125



Tritanopia
52, 96.385, 38.621

Trichromacy



Original Color
52, 88.366, 28.991



Protanomaly
47, 42.281, 33.455



Deuteranomaly
48, 57.412, 44.997



Tritanomaly
52, 93.738, 35.778

Monochromacy



Original Color
52, 88.366, 28.991



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 37.455, 12.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 88.435, 28.940 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, 17, 56)` looks like.

```
.text, #text, p{  
    color:rgb(245, 17, 56)  
}
```

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, 17, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 17, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 88.435, 28.940 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, 17, 56) }
```

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

```
.border{ border-color:rgb(245, 17, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 17, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 17, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 17, 56);  
box-shadow:4px 4px 4px 4px rgb(245, 17,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 88.435, 28.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 17, 56) }
```

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

```
.background{ background-color: rgb(245, 17,  
56) }
```

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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