

Converting Colors

CIELCh(52, 88.062, 29.409)

Have a look what the booklet for
CIELCh(52, 88.062, 29.409) contains.

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Color

CIELCh(52, 88.304, 29.544)

Conversions

Conversions Part 1

Format	Color
Hex	F51437
RGB	245, 20, 55
RGB Percent	96%, 8%, 22%
CMY	0.0404, 0.9201, 0.7851
CMYK	0.00, 0.92, 0.78, 0.04
HSL	351°, 92%, 52%
HSV	351°, 92%, 96%
XYZ	38.4922, 20.1443, 5.4483
YIQ	91.2650, 122.8650, 58.5850

Conversions

Conversions Part 2

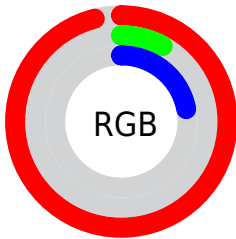
Format	Color
R_{YB}	245, 20, 55
Decimal	16061495
CIE _{Lab}	52.00, 76.82, 43.54
CIE _{LCh}	52, 88.304, 29.544
Yxy	20.1443, 0.6006, 0.3143
Android (android.graphics.Color)	4294251575 (0xFFFF51437)
YUV	91.2650, -17.8786, 134.8256
Hunter-Lab	44.8824, 74.5414, 24.2204

Details

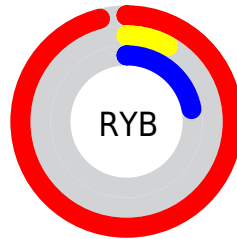
The CIELCh color **52, 88.304, 29.544** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **87, 55.594, 176.859**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 66.344, 27.011**, and **37, 77.138, 37.043** is the 20% darker color. If you saturate the color by 10%, you get **51, 93.811, 33.665**, and if you desaturate by 10%, it is **54, 80.683, 24.630**.

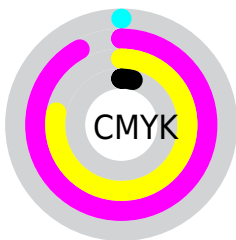
Distribution



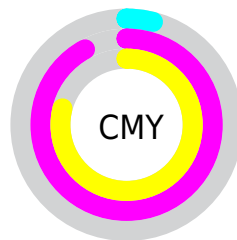
- Red (96%)
- Green (8%)
- Blue (22%)



- Red (96%)
- Yellow (8%)
- Blue (22%)



- Cyan (0%)
- Magenta (92%)
- Yellow (78%)
- Black (4%)



- Cyan (4%)
- Magenta (92%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 88.304, 29.544 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, 88.304, 29.544 by changing the saturation by 10% instead.

 52, 88.304, 29.544

 52, 88.304, 29.544

 100, 88.304,
29.544

 42, 88.304, 29.544

 72, 88.304, 29.544

 32, 88.304, 29.544

 82, 88.304, 29.544

 22, 88.304, 29.544

 92, 88.304, 29.544

 12, 88.304, 29.544

 2, 88.304, 29.544

 0, 88.304, 29.544

 52, 88.304, 29.544

 52, 88.304, 29.544

 51, 93.811, 33.665

 54, 80.683, 24.630

 57, 71.930, 20.391

60, 62.201, 16.956

65, 51.822, 14.244

70, 41.189, 12.110

76, 30.645, 10.412

82, 20.435, 9.037

89, 10.697, 7.889

95, 1.494, 6.600

Harmonies

Complementary

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



52, 88.304, 29.544



87, 55.594, 176.859

Rectangle

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



52, 88.304, 29.544



52, 88.304, 79.544



52, 88.304, 209.544



52, 88.304, 259.544

Sweetspot

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



52, 88.300, 29.546



81, 27.759, 9.883



52, 111.529, 322.137



41, 19.369, 10.521



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, 88.300, 29.546



53, 96.906, 33.781



60, 84.749, 49.919



48, 5.175, 7.656



39, 75.680, 32.751



8, 30.186, 18.740

Inverse Universe

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



52, 88.300, 29.546



53, 96.906, 33.781



66, 48.005, 258.774



48, 5.175, 7.656



39, 75.680, 32.751



8, 30.186, 18.740

Previews

White Background



This preview shows how the CIELCh color 52, 88.304, 29.544 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, 88.304, 29.544 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, 88.304, 29.544

Background



This preview shows how black text looks on a background with the CIELCh color 52, 88.304, 29.544.



This preview shows how white text looks on a background with the CIELCh color 52, 88.304, 29.544.

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, 88.385, 29.482

Protanopia

52, 24.450, 96.511

Deuteranopia

52, 47.672, 82.383



Tritanopia
52, 95.425, 38.416

Trichromacy



Original Color
52, 88.385, 29.482

Protanomaly
48, 42.510, 35.542

Deuteranomaly
48, 57.877, 46.256

Tritanomaly
52, 92.873, 35.715

Monochromacy



Original Color
52, 88.385, 29.482

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 37.004, 14.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 88.304, 29.544 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, 20, 55)` looks like.

```
.text, #text, p{  
    color:rgb(245, 20, 55)  
}
```

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, 20, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 20, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 88.304, 29.544 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, 20, 55) }
```

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

```
.border{ border-color:rgb(245, 20, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 20, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 20, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 20, 55);  
box-shadow:4px 4px 4px 4px rgb(245, 20,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 88.304, 29.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 20, 55) }
```

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

```
.background{ background-color: rgb(245, 20,  
55) }
```

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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