

Converting Colors

CIELCh(53, 84.517, 28.200)

Have a look what the booklet for
CIELCh(53, 84.517, 28.200) contains.

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Color

CIELCh(53, 84.667, 28.245)

Conversions

Conversions Part 1

Format	Color
Hex	F5253F
RGB	245, 37, 63
RGB Percent	96%, 15%, 25%
CMY	0.0399, 0.8558, 0.7534
CMYK	0.00, 0.85, 0.74, 0.04
HSL	352°, 91%, 55%
HSV	352°, 85%, 96%
XYZ	39.1432, 21.0462, 6.6844
YIQ	102.1560, 115.6220, 52.1820

Conversions

Conversions Part 2

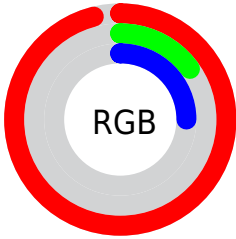
Format	Color
R_{YB}	245, 37, 63
Decimal	16065855
CIE _{Lab}	53.00, 74.59, 40.07
CIE _{LCh}	53, 84.667, 28.245
Yxy	21.0462, 0.5853, 0.3147
Android (android.graphics.Color)	4294255935 (0xFFFF5253F)
YUV	102.1560, -19.3039, 125.2742
Hunter-Lab	45.8761, 72.0195, 23.4745

Details

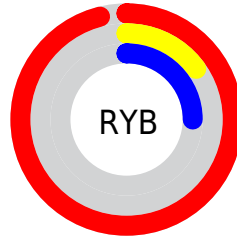
The CIELCh color **53, 84.667, 28.245** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **87, 52.552, 180.894**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.660, 25.270**, and **37, 75.760, 35.168** is the 20% darker color. If you saturate the color by 10%, you get **52, 92.253, 33.085**, and if you desaturate by 10%, it is **55, 75.841, 23.818**.

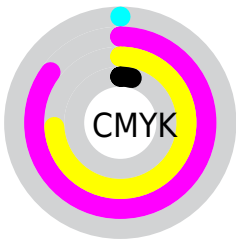
Distribution



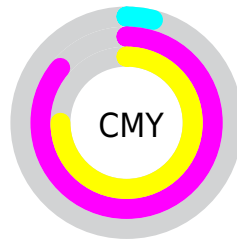
- Red (96%)
- Green (15%)
- Blue (25%)



- Red (96%)
- Yellow (15%)
- Blue (25%)



- Cyan (0%)
- Magenta (85%)
- Yellow (74%)
- Black (4%)



- Cyan (4%)
- Magenta (86%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 84.667, 28.245 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, 84.667, 28.245 by changing the saturation by 10% instead.

 53, 84.667, 28.245

 53, 84.667, 28.245

 100, 84.667,
28.245

 43, 84.667, 28.245

 73, 84.667, 28.245

 33, 84.667, 28.245

 83, 84.667, 28.245

 23, 84.667, 28.245

 93, 84.667, 28.245

 13, 84.667, 28.245

 3, 84.667, 28.245

 0, 84.667, 28.245

 53, 84.667, 28.245

 53, 84.667, 28.245

 52, 92.253, 33.085

 55, 75.841, 23.818

 51, 95.567, 35.313

 59, 66.038, 20.132

63, 55.558, 17.195

69, 44.783, 14.888

74, 34.070, 13.071

80, 23.684, 11.618

87, 13.784, 10.430

93, 4.442, 9.373

99, 3.517, 199.371

Harmonies

Complementary

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



53, 84.667, 28.245



87, 52.552, 180.894

Rectangle

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



53, 84.667, 28.245



53, 84.667, 78.245



53, 84.667, 208.245



53, 84.667, 258.245

Sweetspot

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



53, 84.663, 28.247



83, 24.502, 11.628



55, 108.346, 323.452



42, 16.883, 12.105



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, 84.663, 28.247



53, 98.678, 35.417



63, 77.660, 53.036



48, 5.140, 9.852



39, 77.076, 34.476



8, 30.312, 19.907

Inverse Universe

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



53, 84.663, 28.247



53, 98.678, 35.417



66, 48.084, 260.871



48, 5.140, 9.852



39, 77.076, 34.476



8, 30.312, 19.907

Previews

White Background



This preview shows how the CIELCh color 53, 84.667, 28.245 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, 84.667, 28.245 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, 84.667, 28.245

Background



This preview shows how black text looks on a background with the CIELCh color 53, 84.667, 28.245.



This preview shows how white text looks on a background with the CIELCh color 53, 84.667, 28.245.

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, 84.667, 28.245

Protanopia

53, 21.077, 95.474

Deuteranopia

53, 43.739, 81.188



Tritanopia
53, 89.466, 35.740

Trichromacy



Original Color
53, 84.667, 28.245

Protanomaly
49, 38.970, 35.000

Deuteranomaly
50, 53.978, 45.639

Tritanomaly
53, 87.637, 33.302

Monochromacy



Original Color
53, 84.667, 28.245

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 33.846, 15.027

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 84.667, 28.245 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, 37, 63)` looks like.

```
.text, #text, p{  
    color:rgb(245, 37, 63)  
}
```

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, 37, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 37, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 84.667, 28.245 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, 37, 63) }
```

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

```
.border{ border-color:rgb(245, 37, 63) }
```

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

Here you see how a box with a 4 pixel rgb(245, 37, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 37, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 37, 63);  
box-shadow:4px 4px 4px 4px rgb(245, 37,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 84.667, 28.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 37, 63) }
```

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

```
.background{ background-color: rgb(245, 37,  
63) }
```

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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