

Converting Colors

CIELCh(53, 90.176, 35.749)

Have a look what the booklet for
CIELCh(53, 90.176, 35.749) contains.

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Color

CIELCh(53, 90.360, 35.795)

Conversions

Conversions Part 1

Format	Color
Hex	F52827
RGB	245, 40, 39
RGB Percent	96%, 16%, 15%
CMY	0.0397, 0.8436, 0.8474
CMYK	0.00, 0.84, 0.84, 0.04
HSL	0°, 91%, 56%
HSV	0°, 84%, 96%
XYZ	38.7363, 21.0462, 3.9334
YIQ	101.1810, 122.5010, 43.1490

Conversions

Conversions Part 2

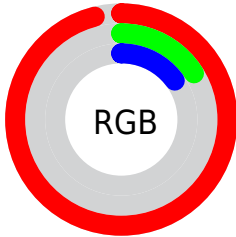
Format	Color
R _Y B	245, 40, 39
Decimal	16066599
CIE Lab	53.00, 73.29, 52.85
CIE LCh	53, 90.360, 35.795
Yxy	21.0462, 0.6080, 0.3303
Android (android.graphics.Color)	4294256679 (0xFFFF52827)
YUV	101.1810, -30.6552, 126.1293
Hunter-Lab	45.8761, 70.4362, 27.0297

Details

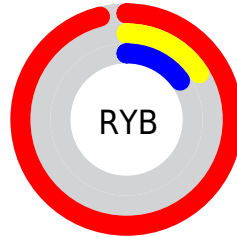
The CIELCh color **53, 90.360, 35.795** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **88, 46.918, 197.097**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 67.657, 36.072**, and **37, 80.154, 39.975** is the 20% darker color. If you saturate the color by 10%, you get **52, 98.324, 38.812**, and if you desaturate by 10%, it is **56, 79.837, 32.249**.

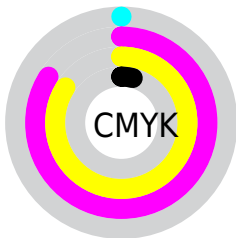
Distribution



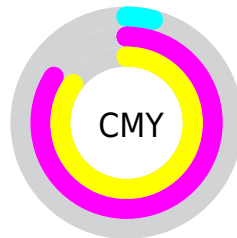
- Red (96%)
- Green (16%)
- Blue (15%)



- Red (96%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (84%)
- Yellow (84%)
- Black (4%)



- Cyan (4%)
- Magenta (84%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 90.360, 35.795 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, 90.360, 35.795 by changing the saturation by 10% instead.

 53, 90.360, 35.795

 53, 90.360, 35.795

 100, 90.360,
35.795

 43, 90.360, 35.795

 73, 90.360, 35.795

 33, 90.360, 35.795

 83, 90.360, 35.795

 23, 90.360, 35.795

 93, 90.360, 35.795

 13, 90.360, 35.795

 3, 90.360, 35.795


 0, 90.360, 35.795

 53, 90.360, 35.795

 53, 90.360, 35.795

 52, 98.324, 38.812

 56, 79.837, 32.249

 51, 101.362,

 59, 68.294, 29.032

40.034

64, 56.433, 26.409

69, 44.697, 24.367

75, 33.400, 22.803

81, 22.733, 21.609

87, 12.788, 20.682

94, 3.577, 19.856

99, 3.495, 199.373

Harmonies

Complementary

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



53, 90.360, 35.795



88, 46.918, 197.097

Rectangle

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



53, 90.360, 35.795



53, 90.360, 85.795



53, 90.360, 215.795



53, 90.360, 265.795

Sweetspot

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



53, 90.357, 35.797



83, 24.453, 21.709



59, 107.565, 328.094



42, 16.909, 22.104



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, 90.357, 35.797



53, 104.520, 40.032



69, 73.667, 63.978



48, 5.057, 20.312



39, 82.486, 40.048



8, 30.921, 25.250

Inverse Universe

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



88, 46.918, 197.097



91, 49.777, 197.114



58, 60.014, 277.685



50, 4.760, 199.367



68, 39.299, 197.100



21, 17.488, 197.005

Previews

White Background



This preview shows how the CIELCh color 53, 90.360, 35.795 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, 90.360, 35.795 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, 90.360, 35.795

Background



This preview shows how black text looks on a background with the CIELCh color 53, 90.360, 35.795.



This preview shows how white text looks on a background with the CIELCh color 53, 90.360, 35.795.

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, 90.360, 35.795

Protanopia

53, 37.977, 95.511

Deuteranopia

53, 57.925, 82.931



Tritanopia
53, 90.621, 36.045

Trichromacy



Original Color
53, 90.360, 35.795

Protanomaly
50, 49.564, 51.958

Deuteranomaly
50, 66.024, 56.144

Tritanomaly
53, 90.621, 36.045

Monochromacy



Original Color
53, 90.360, 35.795

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 33.995, 25.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 90.360, 35.795 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, 40, 39)` looks like.

```
.text, #text, p{  
    color:rgb(245, 40, 39)  
}
```

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, 40, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 40, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 90.360, 35.795 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, 40, 39) }
```

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

```
.border{ border-color:rgb(245, 40, 39) }
```

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

Here you see how a box with a 4 pixel rgb(245, 40, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 40, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 40, 39);  
box-shadow:4px 4px 4px 4px rgb(245, 40,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 90.360, 35.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 40, 39) }
```

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

```
.background{ background-color: rgb(245, 40,  
39) }
```

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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