

Converting Colors

CIELCh(53, 87.660, 35.127)

Have a look what the booklet for
CIELCh(53, 87.660, 35.127) contains.

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Color

CIELCh(53, 87.878, 35.287)

Conversions

Conversions Part 1

Format	Color
Hex	F32D2B
RGB	243, 45, 43
RGB Percent	95%, 18%, 17%
CMY	0.0479, 0.8245, 0.8320
CMYK	0.00, 0.82, 0.82, 0.05
HSL	1°, 89%, 56%
HSV	1°, 82%, 95%
XYZ	38.2492, 21.0462, 4.3176
YIQ	103.9740, 118.6500, 41.3540

Conversions

Conversions Part 2

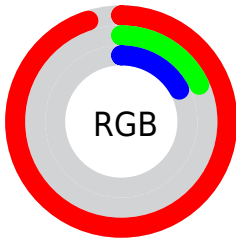
Format	Color
RYB	243, 45, 43
Decimal	15936811
CIELab	53.00, 71.73, 50.76
CIElCh	53, 87.878, 35.287
Yxy	21.0462, 0.6013, 0.3308
Android (android.graphics.Color)	4294126891 (0xFFFF32D2B)
YUV	103.9740, -30.0602, 121.9258
Hunter-Lab	45.8761, 68.5411, 26.5333

Details

The CIELCh color **53, 87.878, 35.287** 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 **87, 46.042, 197.770**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 65.870, 35.613**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **51, 96.474, 38.432**, and if you desaturate by 10%, it is **56, 77.128, 31.826**.

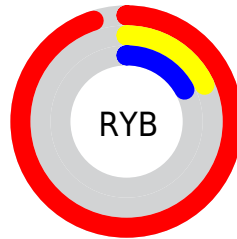
Distribution



Red (95%)

Green (18%)

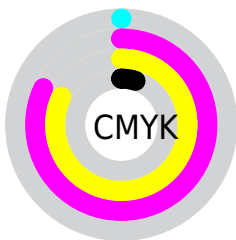
Blue (17%)



Red (95%)

Yellow (18%)

Blue (17%)

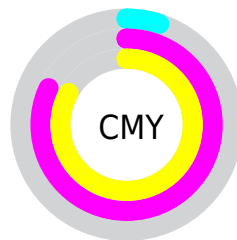


Cyan (0%)

Magenta (82%)

Yellow (82%)

Black (5%)



Cyan (5%)

Magenta (82%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 87.878, 35.287 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, 87.878, 35.287 by changing the saturation by 10% instead.

 53, 87.878, 35.287

 53, 87.878, 35.287

 100, 87.878,
35.287

 43, 87.878, 35.287

 73, 87.878, 35.287

 33, 87.878, 35.287

 83, 87.878, 35.287

 23, 87.878, 35.287

 93, 87.878, 35.287

 13, 87.878, 35.287

 3, 87.878, 35.287


 0, 87.878, 35.287

 53, 87.878, 35.287

 53, 87.878, 35.287

 51, 96.474, 38.432

 56, 77.128, 31.826

 51, 100.642,

 60, 65.549, 28.766

40.071

64, 53.769, 26.296

69, 42.198, 24.382

75, 31.116, 22.920

81, 20.689, 21.803

88, 10.987, 20.931

94, 2.009, 20.023

99, 4.215, 199.295

Harmonies

Complementary

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



53, 87.878, 35.287



87, 46.042, 197.770

Rectangle

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



53, 87.878, 35.287



53, 87.878, 85.287



53, 87.878, 215.287



53, 87.878, 265.287

Sweetspot

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



53, 87.875, 35.289



83, 24.339, 22.078



59, 105.945, 328.066



42, 16.832, 22.465



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, 87.875, 35.289



53, 103.944, 39.861



69, 71.782, 64.331



48, 5.032, 20.710



39, 82.417, 40.099



8, 30.812, 25.509

Inverse Universe

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



87, 46.042, 197.770



90, 49.381, 197.887



59, 58.392, 276.891



50, 4.736, 199.796



68, 39.026, 197.869



21, 17.382, 197.671

Previews

White Background



This preview shows how the CIELCh color 53, 87.878, 35.287 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, 87.878, 35.287 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, 87.878, 35.287

Background



This preview shows how black text looks on a background with the CIELCh color 53, 87.878, 35.287.



This preview shows how white text looks on a background with the CIELCh color 53, 87.878, 35.287.

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, 87.878, 35.287

Protanopia

53, 35.860, 95.995

Deuteranopia

53, 54.593, 82.683



Tritanopia
53, 87.613, 35.014

Trichromacy



Original Color
53, 87.878, 35.287

Protanomaly
50, 46.971, 52.091

Deuteranomaly
51, 61.910, 55.344

Tritanomaly
53, 87.613, 35.014

Monochromacy



Original Color
53, 87.878, 35.287

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 32.735, 24.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 87.878, 35.287 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(243, 45, 43)` looks like.

```
.text, #text, p{  
    color:rgb(243, 45, 43)  
}
```

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(243, 45, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 45, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 87.878, 35.287 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(243, 45, 43) }
```

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

```
.border{ border-color:rgb(243, 45, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 45, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 45, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 45, 43);  
box-shadow:4px 4px 4px 4px rgb(243, 45,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 87.878, 35.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 45, 43) }
```

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

```
.background{ background-color: rgb(243, 45,  
43) }
```

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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