

Converting Colors

CIELCh(53, 82.936, 33.642)

Have a look what the booklet for
CIELCh(53, 82.936, 33.642) contains.

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Color

CIELCh(53, 82.875, 33.529)

Conversions

Conversions Part 1

Format	Color
Hex	EF3434
RGB	239, 52, 52
RGB Percent	94%, 20%, 20%
CMY	0.0629, 0.7961, 0.7962
CMYK	0.00, 0.78, 0.78, 0.06
HSL	0°, 85%, 57%
HSV	0°, 78%, 94%
XYZ	37.4323, 21.0462, 5.3358
YIQ	107.9130, 111.4520, 39.6440

Conversions

Conversions Part 2

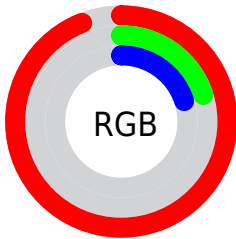
Format	Color
R_{YB}	239, 52, 52
Decimal	15676468
CIE _{Lab}	53.00, 69.09, 45.78
CIE _{LCh}	53, 82.875, 33.529
Yxy	21.0462, 0.5866, 0.3298
Android (android.graphics.Color)	4293866548 (0xFFEF3434)
YUV	107.9130, -27.5651, 114.9633
Hunter-Lab	45.8761, 65.3626, 25.2173

Details

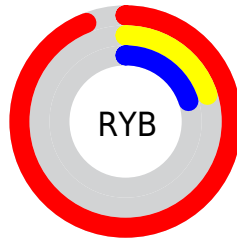
The CIELCh color **53, 82.875, 33.529** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **86, 45.251, 196.535**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.599, 33.403**, and **36, 76.724, 38.279** is the 20% darker color. If you saturate the color by 10%, you get **51, 92.380, 37.072**, and if you desaturate by 10%, it is **56, 71.883, 30.069**.

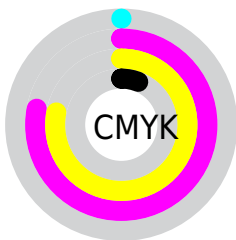
Distribution



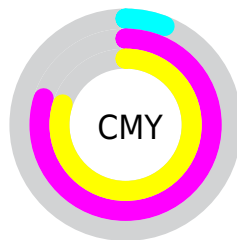
- Red (94%)
- Green (20%)
- Blue (20%)



- Red (94%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (6%)



- Cyan (6%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 82.875, 33.529 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, 82.875, 33.529 by changing the saturation by 10% instead.

 53, 82.875, 33.529

 53, 82.875, 33.529

 100, 82.875,
33.529

 43, 82.875, 33.529

 73, 82.875, 33.529

 33, 82.875, 33.529

 83, 82.875, 33.529

 23, 82.875, 33.529

 93, 82.875, 33.529

 13, 82.875, 33.529

 3, 82.875, 33.529

 0, 82.875, 33.529

 53, 82.875, 33.529

 53, 82.875, 33.529

 51, 92.380, 37.072

 56, 71.883, 30.069

 50, 98.631, 39.613

 60, 60.330, 27.153

50, 99.560, 40.000

65, 48.719, 24.850

71, 37.410, 23.078

76, 26.647, 21.724

83, 16.561, 20.681

89, 7.194, 19.841

96, 1.467, 199.745

99, 5.512, 199.176

Harmonies

Complementary

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



53, 82.875, 33.529



86, 45.251, 196.535

Rectangle

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



53, 82.875, 33.529



53, 82.875, 83.529



53, 82.875, 213.529



53, 82.875, 263.529

Sweetspot

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



53, 82.872, 33.531



84, 22.421, 21.152



59, 102.215, 327.988



43, 15.736, 21.545



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, 82.872, 33.531



54, 101.509, 38.790



69, 67.500, 65.086



47, 4.993, 19.939



38, 81.703, 39.995



8, 29.836, 23.807

Inverse Universe

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



86, 45.251, 196.535



91, 49.793, 196.406



59, 54.889, 275.089



49, 4.701, 198.967



68, 39.157, 196.387



21, 17.093, 196.387

Previews

White Background



This preview shows how the CIELCh color 53, 82.875, 33.529 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, 82.875, 33.529 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, 82.875, 33.529

Background



This preview shows how black text looks on a background with the CIELCh color 53, 82.875, 33.529.



This preview shows how white text looks on a background with the CIELCh color 53, 82.875, 33.529.

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, 82.875, 33.529

Protanopia

53, 30.531, 96.016

Deuteranopia

53, 49.449, 82.485



Tritanopia
53, 82.612, 33.213

Trichromacy



Original Color
53, 82.875, 33.529

Protanomaly
50, 42.000, 49.918

Deuteranomaly
51, 56.705, 54.122

Tritanomaly
53, 82.612, 33.213

Monochromacy



Original Color
53, 82.875, 33.529

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 30.550, 23.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 82.875, 33.529 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(239, 52, 52)` looks like.

```
.text, #text, p{  
    color:rgb(239, 52, 52)  
}
```

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(239, 52, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 52, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 82.875, 33.529 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(239, 52, 52) }
```

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

```
.border{ border-color:rgb(239, 52, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 52, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 52, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 52, 52);  
box-shadow:4px 4px 4px 4px rgb(239, 52,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 82.875, 33.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 52, 52) }
```

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

```
.background{ background-color: rgb(239, 52,  
52) }
```

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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