

Converting Colors

CIELCh(53, 84.489, 37.112)

Have a look what the booklet for
CIELCh(53, 84.489, 37.112) contains.

CIELCh(53, 84.489, 37.112)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 84.489, 37.112)

Conversions

Conversions Part 1

Format	Color
Hex	EE382A
RGB	238, 56, 42
RGB Percent	93%, 22%, 16%
CMY	0.0684, 0.7822, 0.8366
CMYK	0.00, 0.77, 0.82, 0.07
HSL	4°, 85%, 55%
HSV	4°, 82%, 93%
XYZ	36.9112, 21.0462, 4.2771
YIQ	108.8220, 112.9660, 34.2300

Conversions

Conversions Part 2

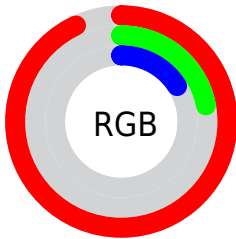
Format	Color
RYB	238, 57, 42
Decimal	15611946
CIELab	53.00, 67.38, 50.98
CIElCh	53, 84.489, 37.112
Yxy	21.0462, 0.5931, 0.3382
Android (android.graphics.Color)	4293802026 (0xFFEE382A)
YUV	108.8220, -32.9432, 113.2891
Hunter-Lab	45.8761, 63.3350, 26.5856

Details

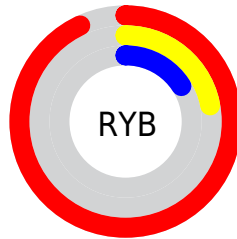
The CIELCh color **53, 84.489, 37.112** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **82, 42.269, 206.859**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 64.700, 38.396**, and **36, 78.096, 39.924** is the 20% darker color. If you saturate the color by 10%, you get **51, 93.558, 39.423**, and if you desaturate by 10%, it is **56, 73.527, 34.472**.

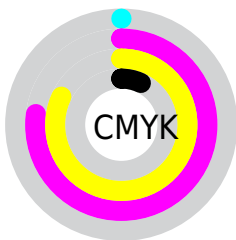
Distribution



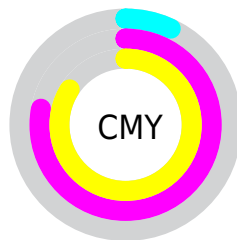
- Red (93%)
- Green (22%)
- Blue (16%)



- Red (93%)
- Yellow (22%)
- Blue (16%)



- Cyan (0%)
- Magenta (77%)
- Yellow (82%)
- Black (7%)



- Cyan (7%)
- Magenta (78%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 84.489, 37.112 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, 84.489, 37.112 by changing the saturation by 10% instead.

■ 53, 84.489, 37.112

■ 53, 84.489, 37.112

■ 100, 84.489,
37.112

■ 43, 84.489, 37.112

■ 73, 84.489, 37.112

■ 33, 84.489, 37.112

■ 83, 84.489, 37.112

■ 23, 84.489, 37.112

■ 93, 84.489, 37.112

■ 13, 84.489, 37.112

■ 3, 84.489, 37.112

■ 0, 84.489, 37.112

■ 53, 84.489, 37.112

■ 53, 84.489, 37.112

■ 51, 93.558, 39.423

■ 56, 73.527, 34.472

■ 50, 98.172, 40.589

■ 60, 62.012, 32.109

64, 50.559, 30.198

69, 39.509, 28.725

75, 29.059, 27.619

80, 19.306, 26.798

86, 10.276, 26.182

92, 1.944, 25.499

99, 5.726, 203.255

Harmonies

Complementary

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



53, 84.489, 37.112



82, 42.269, 206.859

Rectangle

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



53, 84.489, 37.112



53, 84.489, 87.112



53, 84.489, 217.112



53, 84.489, 267.112

Sweetspot

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



53, 84.486, 37.114



84, 23.014, 26.992



57, 99.423, 330.532



43, 15.928, 27.275



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, 84.486, 37.114



54, 103.084, 40.384



70, 70.308, 70.278



47, 4.665, 26.022



39, 80.708, 40.766



8, 28.339, 27.692

Inverse Universe

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



82, 42.269, 206.859



86, 45.736, 208.642



54, 64.604, 283.318



49, 4.386, 205.546



64, 35.802, 208.491



19, 15.794, 206.662

Previews

White Background



This preview shows how the CIELCh color 53, 84.489, 37.112 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, 84.489, 37.112 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, 84.489, 37.112

Background



This preview shows how black text looks on a background with the CIELCh color 53, 84.489, 37.112.



This preview shows how white text looks on a background with the CIELCh color 53, 84.489, 37.112.

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, 84.489, 37.112

Protanopia

53, 37.977, 95.511

Deuteranopia

53, 54.593, 82.683



Tritanopia
53, 81.354, 32.859

Trichromacy



Original Color
53, 84.489, 37.112

Protanomaly
50, 47.270, 56.519

Deuteranomaly
51, 60.913, 58.015

Tritanomaly
53, 82.500, 34.621

Monochromacy



Original Color
53, 84.489, 37.112

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 30.352, 28.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 84.489, 37.112 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(238, 56, 42)` looks like.

```
.text, #text, p{  
    color:rgb(238, 56, 42)  
}
```

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(238, 56, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 56, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 84.489, 37.112 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(238, 56, 42) }
```

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

```
.border{ border-color:rgb(238, 56, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 56, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 56, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 56, 42);  
box-shadow:4px 4px 4px 4px rgb(238, 56,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 84.489, 37.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 56, 42) }
```

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

```
.background{ background-color: rgb(238, 56,  
42) }
```

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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