

Converting Colors

CIELCh(51, 84.228, 34.394)

Have a look what the booklet for
CIELCh(51, 84.228, 34.394) contains.

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Color

CIELCh(51, 84.228, 34.394)

Conversions

Conversions Part 1

Format	Color
Hex	E92B2C
RGB	233, 43, 44
RGB Percent	91%, 17%, 17%
CMY	0.0857, 0.8307, 0.8271
CMYK	0.00, 0.81, 0.81, 0.09
HSL	360°, 81%, 54%
HSV	360°, 81%, 91%
XYZ	34.9746, 19.2686, 4.2679
YIQ	99.9240, 112.9190, 40.5910

Conversions

Conversions Part 2

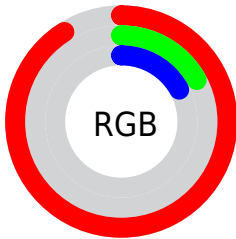
Format	Color
R _Y B	233, 43, 44
Decimal	15280940
CIE Lab	51.00, 69.50, 47.58
CIE LCh	51, 84.228, 34.394
Yxy	19.2686, 0.5977, 0.3293
Android (android.graphics.Color)	4293471020 (0xFFE92B2C)
YUV	99.9240, -27.5705, 116.7077
Hunter-Lab	43.8960, 65.4038, 24.9626

Details

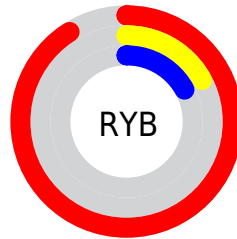
The CIELCh color **51, 84.228, 34.394** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **84, 45.139, 195.867**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.620, 34.486**, and **35, 76.349, 39.859** is the 20% darker color. If you saturate the color by 10%, you get **49, 92.778, 37.831**, and if you desaturate by 10%, it is **54, 73.824, 30.798**.

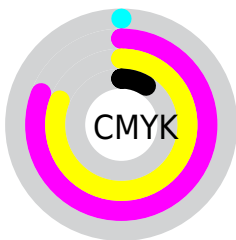
Distribution



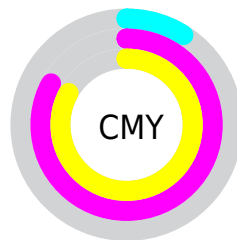
- Red (91%)
- Green (17%)
- Blue (17%)



- Red (91%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (9%)



- Cyan (9%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 84.228, 34.394 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 51, 84.228, 34.394 by changing the saturation by 10% instead.

■ 51, 84.228, 34.394

■ 51, 84.228, 34.394

■ 100, 84.228,
34.394

■ 41, 84.228, 34.394

■ 71, 84.228, 34.394

■ 31, 84.228, 34.394

■ 81, 84.228, 34.394

■ 21, 84.228, 34.394

■ 91, 84.228, 34.394

■ 11, 84.228, 34.394

■ 1, 84.228, 34.394

■ 0, 84.228, 34.394

■ 51, 84.228, 34.394

■ 51, 84.228, 34.394

■ 49, 92.778, 37.831

■ 54, 73.824, 30.798

■ 49, 97.516, 39.850

■ 57, 62.668, 27.676

62, 51.311, 25.175

67, 40.139, 23.238

73, 29.426, 21.753

79, 19.336, 20.612

85, 9.937, 19.711

91, 1.231, 18.595

98, 6.818, 198.657

Harmonies

Complementary

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



51, 84.228, 34.394



84, 45.139, 195.867

Rectangle

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



51, 84.228, 34.394



51, 84.228, 84.394



51, 84.228, 214.394



51, 84.228, 264.394

Sweetspot

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



51, 84.225, 34.396



84, 23.473, 20.885



57, 102.157, 327.470



42, 16.345, 21.287



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 84.225, 34.396



53, 103.373, 39.468



66, 68.966, 63.065



46, 4.904, 19.548



38, 80.628, 39.789



7, 28.514, 22.521

Inverse Universe

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



51, 84.225, 34.396



53, 103.373, 39.468



58, 54.323, 274.606



46, 4.904, 19.548



38, 80.628, 39.789



7, 28.514, 22.521

Previews

White Background



This preview shows how the CIELCh color 51, 84.228, 34.394 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 51, 84.228, 34.394 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 51, 84.228, 34.394

Background



This preview shows how black text looks on a background with the CIELCh color 51, 84.228, 34.394.



This preview shows how white text looks on a background with the CIELCh color 51, 84.228, 34.394.

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

51, 84.228, 34.394

Protanopia

51, 32.921, 95.363

Deuteranopia

51, 51.563, 82.682



Tritanopia
51, 84.495, 34.689

Trichromacy



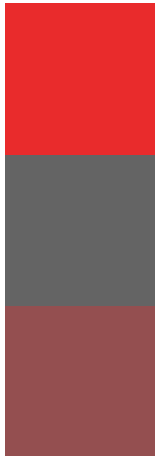
Original Color
51, 84.228, 34.394

Protanomaly
48, 44.662, 50.166

Deuteranomaly
49, 58.659, 54.550

Tritanomaly
51, 84.495, 34.689

Monochromacy



Original Color
51, 84.228, 34.394

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 31.439, 23.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 84.228, 34.394 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(233, 43, 44)` looks like.

```
.text, #text, p{  
    color:rgb(233, 43, 44)  
}
```

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(233, 43, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 43, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 84.228, 34.394 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(233, 43, 44) }
```

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

```
.border{ border-color:rgb(233, 43, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 43, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 43, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 43, 44);  
box-shadow:4px 4px 4px 4px rgb(233, 43,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 84.228, 34.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 43, 44) }
```

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

```
.background{ background-color: rgb(233, 43,  
44) }
```

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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