

Converting Colors

CIELCh(51, 84.853, 34.873)

Have a look what the booklet for
CIELCh(51, 84.853, 34.873) contains.

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Color

CIELCh(51, 84.762, 34.980)

Conversions

Conversions Part 1

Format	Color
Hex	E92B2A
RGB	233, 43, 42
RGB Percent	91%, 17%, 16%
CMY	0.0855, 0.8304, 0.8348
CMYK	0.00, 0.81, 0.82, 0.09
HSL	0°, 81%, 54%
HSV	0°, 82%, 91%
XYZ	34.9592, 19.2686, 4.0796
YIQ	99.6960, 113.5610, 39.9690

Conversions

Conversions Part 2

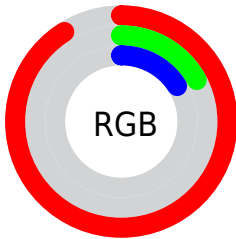
Format	Color
RYB	233, 43, 42
Decimal	15280938
CIELab	51.00, 69.45, 48.59
CIElCh	51, 84.762, 34.980
Yxy	19.2686, 0.5996, 0.3305
Android (android.graphics.Color)	4293471018 (0xFFE92B2A)
YUV	99.6960, -28.4441, 116.9076
Hunter-Lab	43.8960, 65.3411, 25.2170

Details

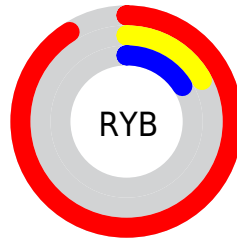
The CIELCh color **51, 84.762, 34.980** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **84, 44.767, 197.274**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 67.132, 35.287**, and **35, 76.349, 39.859** is the 20% darker color. If you saturate the color by 10%, you get **49, 93.227, 38.222**, and if you desaturate by 10%, it is **54, 74.314, 31.489**.

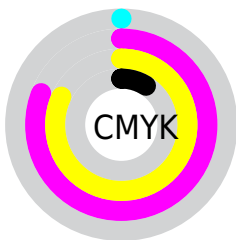
Distribution



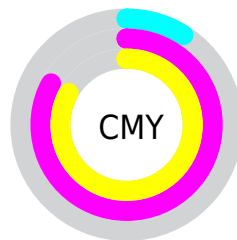
- Red (91%)
- Green (17%)
- Blue (16%)



- Red (91%)
- Yellow (17%)
- Blue (16%)



- Cyan (0%)
- Magenta (81%)
- Yellow (82%)
- Black (9%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 84.762, 34.980 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, 84.762, 34.980 by changing the saturation by 10% instead.

 51, 84.762, 34.980

 51, 84.762, 34.980

 100, 84.762,
34.980

 41, 84.762, 34.980

 71, 84.762, 34.980

 31, 84.762, 34.980

 81, 84.762, 34.980

 21, 84.762, 34.980

 91, 84.762, 34.980

 11, 84.762, 34.980

 1, 84.762, 34.980

 0, 84.762, 34.980

 51, 84.762, 34.980

 51, 84.762, 34.980

 49, 93.227, 38.222

 54, 74.314, 31.489

 49, 97.663, 40.046

 57, 63.097, 28.426

62, 51.694, 25.962

67, 40.495, 24.053

73, 29.772, 22.594

79, 19.683, 21.476

85, 10.292, 20.601

91, 1.602, 19.623

98, 6.426, 199.599

Harmonies

Complementary

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



51, 84.762, 34.980



84, 44.767, 197.274

Rectangle

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



51, 84.762, 34.980



51, 84.762, 84.980



51, 84.762, 214.980



51, 84.762, 264.980

Sweetspot

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



51, 84.759, 34.982



83, 24.424, 21.802



57, 102.447, 328.055



42, 16.890, 22.194



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, 84.759, 34.982



53, 103.483, 39.635



66, 69.159, 64.445



46, 4.876, 20.409



38, 80.766, 40.050



7, 28.414, 23.015

Inverse Universe

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



84, 44.767, 197.274



91, 49.594, 197.300



57, 56.242, 276.627



48, 4.592, 199.477



67, 38.428, 197.291



19, 16.476, 197.158

Previews

White Background



This preview shows how the CIELCh color 51, 84.762, 34.980 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, 84.762, 34.980 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, 84.762, 34.980

Background



This preview shows how black text looks on a background with the CIELCh color 51, 84.762, 34.980.



This preview shows how white text looks on a background with the CIELCh color 51, 84.762, 34.980.

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, 84.762, 34.980

Protanopia

51, 33.966, 95.521

Deuteranopia

51, 52.513, 82.920



Tritanopia
51, 84.762, 34.980

Trichromacy



Original Color
51, 84.762, 34.980

Protanomaly
48, 45.407, 51.147

Deuteranomaly
49, 59.631, 55.322

Tritanomaly
51, 84.762, 34.980

Monochromacy



Original Color
51, 84.762, 34.980

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 31.573, 24.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 84.762, 34.980 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(233, 43, 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(233, 43, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 43, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 84.762, 34.980 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, 42) }
```

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

```
.border{ border-color:rgb(233, 43, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 43, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 43, 42);  
box-shadow:4px 4px 4px 4px rgb(233, 43,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 84.762, 34.980 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, 42) }
```

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

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