

Converting Colors

CIELCh(52, 84.226, 34.099)

Have a look what the booklet for
CIELCh(52, 84.226, 34.099) contains.

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Color

CIELCh(52, 84.448, 34.072)

Conversions

Conversions Part 1

Format	Color
Hex	ED2E2F
RGB	237, 46, 47
RGB Percent	93%, 18%, 18%
CMY	0.0709, 0.8199, 0.8159
CMYK	0.00, 0.81, 0.80, 0.07
HSL	360°, 84%, 55%
HSV	360°, 81%, 93%
XYZ	36.3868, 20.1443, 4.6545
YIQ	103.2230, 113.5150, 40.8030

Conversions

Conversions Part 2

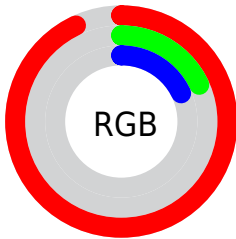
Format	Color
RYB	237, 46, 47
Decimal	15543855
CIELab	52.00, 69.95, 47.31
CIELCh	52, 84.448, 34.072
Yxy	20.1443, 0.5947, 0.3292
Android (android.graphics.Color)	4293733935 (0xFFED2E2F)
YUV	103.2230, -27.7179, 117.3224
Hunter-Lab	44.8824, 66.1683, 25.2691

Details

The CIELCh color **52, 84.448, 34.072** 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, 45.561, 195.811**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.856, 33.967**, and **36, 77.499, 39.677** is the 20% darker color. If you saturate the color by 10%, you get **50, 93.325, 37.574**, and if you desaturate by 10%, it is **55, 73.823, 30.493**.

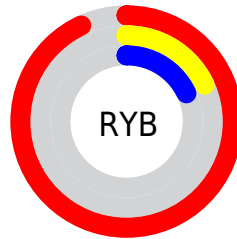
Distribution



Red (93%)

Green (18%)

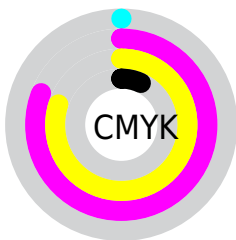
Blue (18%)



Red (93%)

Yellow (18%)

Blue (18%)

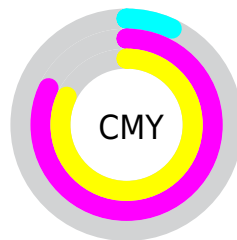


Cyan (0%)

Magenta (81%)

Yellow (80%)

Black (7%)



Cyan (7%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 84.448, 34.072 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 52, 84.448, 34.072 by changing the saturation by 10% instead.

 52, 84.448, 34.072

 52, 84.448, 34.072

 100, 84.448,
34.072

 42, 84.448, 34.072

 72, 84.448, 34.072

 32, 84.448, 34.072

 82, 84.448, 34.072

 22, 84.448, 34.072

 92, 84.448, 34.072

 12, 84.448, 34.072

 2, 84.448, 34.072

 0, 84.448, 34.072

 52, 84.448, 34.072

 52, 84.448, 34.072

 50, 93.325, 37.574

 55, 73.823, 30.493

 49, 98.694, 39.837

 59, 62.492, 27.415

63, 50.993, 24.959

69, 39.707, 23.060

74, 28.904, 21.606

81, 18.740, 20.486

87, 9.278, 19.599

93, 0.517, 17.791

99, 6.202, 199.119

Harmonies

Complementary

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



52, 84.448, 34.072



86, 45.561, 195.811

Rectangle

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



52, 84.448, 34.072



52, 84.448, 84.072



52, 84.448, 214.072



52, 84.448, 264.072

Sweetspot

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



52, 84.445, 34.074



84, 23.471, 20.844



58, 102.953, 327.459



42, 16.344, 21.247



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 84.445, 34.074



53, 102.870, 39.263



67, 69.157, 63.205



46, 4.904, 19.505



38, 80.604, 39.767



7, 28.512, 22.500

Inverse Universe

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



52, 84.445, 34.074



53, 102.870, 39.263



59, 54.487, 274.259



46, 4.904, 19.505



38, 80.604, 39.767



7, 28.512, 22.500

Previews

White Background



This preview shows how the CIELCh color 52, 84.448, 34.072 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 52, 84.448, 34.072 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 52, 84.448, 34.072

Background



This preview shows how black text looks on a background with the CIELCh color 52, 84.448, 34.072.



This preview shows how white text looks on a background with the CIELCh color 52, 84.448, 34.072.

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

52, 84.448, 34.072

Protanopia

52, 32.196, 96.203

Deuteranopia

52, 51.131, 82.176



Tritanopia
52, 84.714, 34.371

Trichromacy



Original Color
52, 84.448, 34.072

Protanomaly
49, 43.581, 49.920

Deuteranomaly
50, 58.550, 54.145

Tritanomaly
52, 84.714, 34.371

Monochromacy



Original Color
52, 84.448, 34.072

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 31.699, 23.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 84.448, 34.072 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(237, 46, 47)` looks like.

```
.text, #text, p{  
    color:rgb(237, 46, 47)  
}
```

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(237, 46, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 46, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 84.448, 34.072 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(237, 46, 47) }
```

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

```
.border{ border-color:rgb(237, 46, 47) }
```

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

Here you see how a box with a 4 pixel rgb(237, 46, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 46, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 46, 47);  
box-shadow:4px 4px 4px 4px rgb(237, 46,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 84.448, 34.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 46, 47) }
```

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

```
.background{ background-color: rgb(237, 46,  
47) }
```

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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