

Converting Colors

CIELCh(52, 82.489, 30.562)

Have a look what the booklet for
CIELCh(52, 82.489, 30.562) contains.

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Color

CIELCh(52, 82.702, 30.505)

Conversions

Conversions Part 1

Format	Color
Hex	EE2B39
RGB	238, 43, 57
RGB Percent	93%, 17%, 22%
CMY	0.0675, 0.8323, 0.7770
CMYK	0.00, 0.82, 0.76, 0.07
HSL	356°, 85%, 55%
HSV	356°, 82%, 93%
XYZ	36.7802, 20.1443, 5.8020
YIQ	102.9010, 111.7260, 45.6940

Conversions

Conversions Part 2

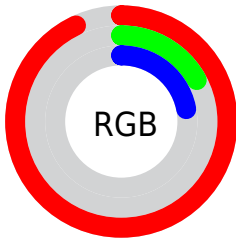
Format	Color
RYB	238, 43, 57
Decimal	15608633
CIELab	52.00, 71.25, 41.98
CIElCh	52, 82.702, 30.505
Yxy	20.1443, 0.5864, 0.3211
Android (android.graphics.Color)	4293798713 (0xFFEE2B39)
YUV	102.9010, -22.6292, 118.4818
Hunter-Lab	44.8824, 67.7327, 23.7533

Details

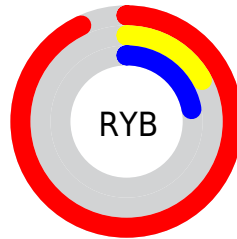
The CIELCh color **52, 82.702, 30.505** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 48.255, 187.364**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.162, 28.810**, and **36, 74.777, 36.564** is the 20% darker color. If you saturate the color by 10%, you get **50, 91.095, 34.830**, and if you desaturate by 10%, it is **55, 73.010, 26.473**.

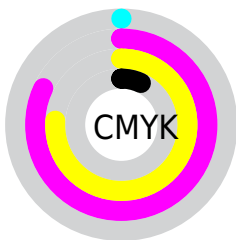
Distribution



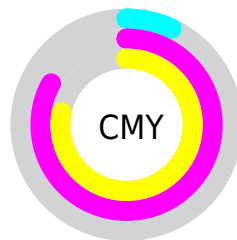
- Red (93%)
- Green (17%)
- Blue (22%)



- Red (93%)
- Yellow (17%)
- Blue (22%)



- Cyan (0%)
- Magenta (82%)
- Yellow (76%)
- Black (7%)



- Cyan (7%)
- Magenta (83%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 82.702, 30.505 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, 82.702, 30.505 by changing the saturation by 10% instead.

 52, 82.702, 30.505

 52, 82.702, 30.505

 100, 82.702,
30.505

 42, 82.702, 30.505

 72, 82.702, 30.505

 32, 82.702, 30.505

 82, 82.702, 30.505

 22, 82.702, 30.505

 92, 82.702, 30.505

 12, 82.702, 30.505

 2, 82.702, 30.505

 0, 82.702, 30.505

 52, 82.702, 30.505

 52, 82.702, 30.505

 50, 91.095, 34.830

 55, 73.010, 26.473

 50, 96.267, 37.748

 58, 62.544, 23.100

■ 63, 51.689, 20.418

■ 68, 40.818, 18.323

■ 74, 30.231, 16.686

■ 80, 20.129, 15.392

■ 86, 10.616, 14.339

■ 93, 1.724, 13.209

■ 99, 5.910, 199.143

Harmonies

Complementary

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



52, 82.702, 30.505



85, 48.255, 187.364

Rectangle

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



52, 82.702, 30.505



52, 82.702, 80.505



52, 82.702, 210.505



52, 82.702, 260.505

Sweetspot

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



52, 82.699, 30.507



83, 24.435, 15.759



55, 104.086, 325.182



42, 16.862, 16.213



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, 82.699, 30.507



53, 100.475, 37.279



64, 71.748, 57.316



47, 5.007, 14.096



38, 78.690, 37.130



8, 29.471, 20.889

Inverse Universe

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



52, 82.699, 30.507



53, 100.475, 37.279



62, 49.536, 266.660



47, 5.007, 14.096



38, 78.690, 37.130



8, 29.471, 20.889

Previews

White Background



This preview shows how the CIELCh color 52, 82.702, 30.505 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, 82.702, 30.505 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, 82.702, 30.505

Background



This preview shows how black text looks on a background with the CIELCh color 52, 82.702, 30.505.



This preview shows how white text looks on a background with the CIELCh color 52, 82.702, 30.505.

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, 82.702, 30.505

Protanopia

52, 25.000, 96.653

Deuteranopia

52, 45.388, 80.943



Tritanopia
52, 85.403, 34.814

Trichromacy



Original Color
52, 82.702, 30.505

Protanomaly
49, 39.202, 42.094

Deuteranomaly
50, 54.181, 49.277

Tritanomaly
52, 84.230, 33.182

Monochromacy



Original Color
52, 82.702, 30.505

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 31.793, 19.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 82.702, 30.505 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, 43, 57)` looks like.

```
.text, #text, p{  
    color:rgb(238, 43, 57)  
}
```

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, 43, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 43, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 82.702, 30.505 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, 43, 57) }
```

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

```
.border{ border-color:rgb(238, 43, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 43, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 43, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 43, 57);  
box-shadow:4px 4px 4px 4px rgb(238, 43,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 82.702, 30.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 43, 57) }
```

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

```
.background{ background-color: rgb(238, 43,  
57) }
```

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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