

Converting Colors

CIELCh(52, 83.165, 33.600)

Have a look what the booklet for
CIELCh(52, 83.165, 33.600) contains.

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Color

CIELCh(52, 83.221, 33.717)

Conversions

Conversions Part 1

Format	Color
Hex	EC3031
RGB	236, 48, 49
RGB Percent	93%, 19%, 19%
CMY	0.0749, 0.8121, 0.8081
CMYK	0.00, 0.80, 0.79, 0.07
HSL	360°, 83%, 56%
HSV	360°, 80%, 93%
XYZ	36.1681, 20.1443, 4.8808
YIQ	104.3260, 111.7270, 40.1670

Conversions

Conversions Part 2

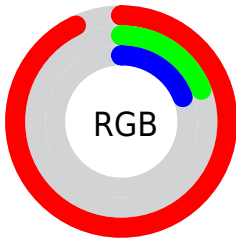
Format	Color
R _Y B	236, 48, 49
Decimal	15478833
CIE Lab	52.00, 69.22, 46.20
CIE LCh	52, 83.221, 33.717
Yxy	20.1443, 0.5910, 0.3292
Android (android.graphics.Color)	4293668913 (0xFFEC3031)
YUV	104.3260, -27.2757, 115.4781
Hunter-Lab	44.8824, 65.2985, 24.9701

Details

The CIELCh color **52, 83.221, 33.717** 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, 45.235, 195.813**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.108, 33.507**, and **35, 76.409, 38.945** is the 20% darker color. If you saturate the color by 10%, you get **50, 92.303, 37.272**, and if you desaturate by 10%, it is **55, 72.536, 30.170**.

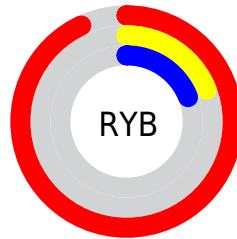
Distribution



Red (93%)

Green (19%)

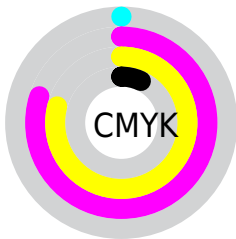
Blue (19%)



Red (93%)

Yellow (19%)

Blue (19%)

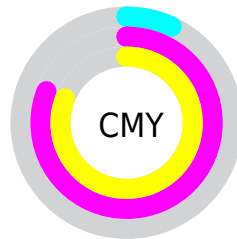


Cyan (0%)

Magenta (80%)

Yellow (79%)

Black (7%)



Cyan (7%)

Magenta (81%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 83.221, 33.717 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, 83.221, 33.717 by changing the saturation by 10% instead.

 52, 83.221, 33.717

 52, 83.221, 33.717

 100, 83.221,
33.717

 42, 83.221, 33.717

 72, 83.221, 33.717

 32, 83.221, 33.717

 82, 83.221, 33.717

 22, 83.221, 33.717

 92, 83.221, 33.717

 12, 83.221, 33.717

 2, 83.221, 33.717

 0, 83.221, 33.717

 52, 83.221, 33.717

 52, 83.221, 33.717

 50, 92.303, 37.272

 55, 72.536, 30.170

 49, 98.201, 39.763

 59, 61.211, 27.150

49, 98.367, 39.833

64, 49.759, 24.751

69, 38.549, 22.899

75, 27.838, 21.481

81, 17.773, 20.387

87, 8.410, 19.515

94, 0.258, 201.360

99, 6.545, 199.092

Harmonies

Complementary

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



52, 83.221, 33.717



85, 45.235, 195.813

Rectangle

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



52, 83.221, 33.717



52, 83.221, 83.717



52, 83.221, 213.717



52, 83.221, 263.717

Sweetspot

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



52, 83.218, 33.719



84, 23.471, 20.836



58, 102.053, 327.444



42, 16.344, 21.238



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, 83.218, 33.719



53, 102.386, 39.069



67, 68.144, 63.368



46, 4.904, 19.496



38, 80.599, 39.763



7, 28.511, 22.495

Inverse Universe

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



52, 83.218, 33.719



53, 102.386, 39.069



59, 53.715, 273.847



46, 4.904, 19.496



38, 80.599, 39.763



7, 28.511, 22.495

Previews

White Background



This preview shows how the CIELCh color 52, 83.221, 33.717 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, 83.221, 33.717 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, 83.221, 33.717

Background



This preview shows how black text looks on a background with the CIELCh color 52, 83.221, 33.717.



This preview shows how white text looks on a background with the CIELCh color 52, 83.221, 33.717.

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, 83.221, 33.717

Protanopia

52, 31.135, 96.035

Deuteranopia

52, 49.838, 82.370



Tritanopia
52, 83.487, 34.025

Trichromacy



Original Color
52, 83.221, 33.717

Protanomaly
49, 42.697, 49.644

Deuteranomaly
50, 56.982, 54.025

Tritanomaly
52, 83.487, 34.025

Monochromacy



Original Color
52, 83.221, 33.717

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 30.797, 23.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 83.221, 33.717 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(236, 48, 49)` looks like.

```
.text, #text, p{  
    color:rgb(236, 48, 49)  
}
```

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(236, 48, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 48, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 83.221, 33.717 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(236, 48, 49) }
```

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

```
.border{ border-color:rgb(236, 48, 49) }
```

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

Here you see how a box with a 4 pixel rgb(236, 48, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 48, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 48, 49);  
box-shadow:4px 4px 4px 4px rgb(236, 48,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 83.221, 33.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 48, 49) }
```

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

```
.background{ background-color: rgb(236, 48,  
49) }
```

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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