

Converting Colors

CIELCh(52, 83.252, 34.134)

Have a look what the booklet for
CIELCh(52, 83.252, 34.134) contains.

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Color

CIELCh(52, 83.322, 34.179)

Conversions

Conversions Part 1

Format	Color
Hex	EC3130
RGB	236, 49, 48
RGB Percent	93%, 19%, 19%
CMY	0.0759, 0.8094, 0.8128
CMYK	0.00, 0.79, 0.80, 0.08
HSL	0°, 83%, 56%
HSV	0°, 80%, 92%
XYZ	36.0810, 20.1443, 4.7555
YIQ	104.7990, 111.7730, 39.3330

Conversions

Conversions Part 2

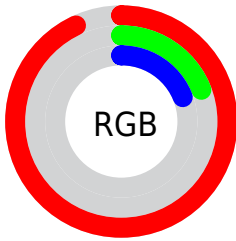
Format	Color
R _Y B	236, 49, 48
Decimal	15479088
CIE Lab	52.00, 68.93, 46.81
CIE LCh	52, 83.322, 34.179
Yxy	20.1443, 0.5917, 0.3303
Android (android.graphics.Color)	4293669168 (0xFFEC3130)
YUV	104.7990, -28.0019, 115.0633
Hunter-Lab	44.8824, 64.9520, 25.1357

Details

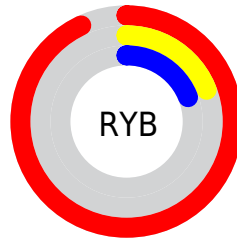
The CIELCh color **52, 83.322, 34.179** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 44.806, 197.113**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.352, 33.933**, and **35, 76.902, 39.426** is the 20% darker color. If you saturate the color by 10%, you get **50, 92.434, 37.590**, and if you desaturate by 10%, it is **55, 72.558, 30.727**.

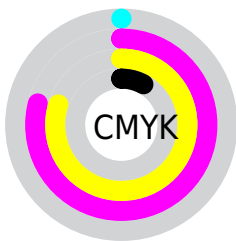
Distribution



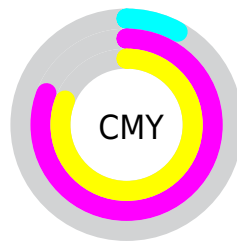
- Red (93%)
- Green (19%)
- Blue (19%)



- Red (93%)
- Yellow (19%)
- Blue (19%)



- Cyan (0%)
- Magenta (79%)
- Yellow (80%)
- Black (8%)



- Cyan (8%)
- Magenta (81%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 83.322, 34.179 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, 83.322, 34.179 by changing the saturation by 10% instead.

 52, 83.322, 34.179

 52, 83.322, 34.179

 100, 83.322,
34.179

 42, 83.322, 34.179

 72, 83.322, 34.179

 32, 83.322, 34.179

 82, 83.322, 34.179

 22, 83.322, 34.179

 92, 83.322, 34.179

 12, 83.322, 34.179

 2, 83.322, 34.179

 0, 83.322, 34.179

 52, 83.322, 34.179

 52, 83.322, 34.179

 50, 92.434, 37.590

 55, 72.558, 30.727

 49, 98.309, 39.975

 59, 61.167, 27.774

49, 98.452, 40.035

64, 49.680, 25.425

69, 38.464, 23.614

75, 27.769, 22.230

81, 17.733, 21.168

87, 8.408, 20.325

93, 0.217, 202.658

99, 6.637, 199.085

Harmonies

Complementary

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



52, 83.322, 34.179



85, 44.806, 197.113

Rectangle

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



52, 83.322, 34.179



52, 83.322, 84.179



52, 83.322, 214.179



52, 83.322, 264.179

Sweetspot

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



52, 83.319, 34.181



84, 23.385, 21.599



58, 102.027, 328.016



42, 16.287, 21.989



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, 83.319, 34.181



54, 102.527, 39.244



67, 67.975, 64.837



46, 4.882, 20.304



38, 80.784, 40.036



7, 28.440, 22.948

Inverse Universe

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



85, 44.806, 197.113



91, 49.590, 197.091



58, 55.258, 275.697



48, 4.598, 199.364



67, 38.499, 197.090



19, 16.502, 196.987

Previews

White Background



This preview shows how the CIELCh color 52, 83.322, 34.179 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, 83.322, 34.179 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, 83.322, 34.179

Background



This preview shows how black text looks on a background with the CIELCh color 52, 83.322, 34.179.



This preview shows how white text looks on a background with the CIELCh color 52, 83.322, 34.179.

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, 83.322, 34.179

Protanopia

52, 32.196, 96.203

Deuteranopia

52, 50.414, 81.975



Tritanopia
52, 83.221, 33.717

Trichromacy



Original Color
52, 83.322, 34.179

Protanomaly
49, 43.437, 50.701

Deuteranomaly
50, 57.725, 54.107

Tritanomaly
52, 83.221, 33.717

Monochromacy



Original Color
52, 83.322, 34.179

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, 83.322, 34.179 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, 49, 48)` looks like.

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

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, 49, 48) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 52, 83.322, 34.179 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, 49, 48) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 52, 83.322, 34.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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