

Converting Colors

CIELCh(51, 82.116, 38.282)

Have a look what the booklet for
CIELCh(51, 82.116, 38.282) contains.

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Color

CIELCh(51, 81.852, 38.197)

Conversions

Conversions Part 1

Format	Color
Hex	E33725
RGB	227, 55, 37
RGB Percent	89%, 22%, 15%
CMY	0.1087, 0.7832, 0.8541
CMYK	0.00, 0.76, 0.84, 0.11
HSL	6°, 77%, 52%
HSV	6°, 84%, 89%
XYZ	33.4807, 19.2686, 3.7210
YIQ	104.3760, 108.2900, 30.8660

Conversions

Conversions Part 2

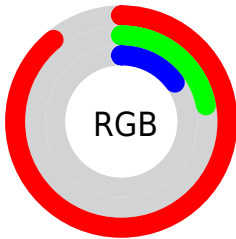
Format	Color
RYB	227, 57, 37
Decimal	14890789
CIELab	51.00, 64.33, 50.61
CIELCh	51, 81.852, 38.197
Yxy	19.2686, 0.5929, 0.3412
Android (android.graphics.Color)	4293080869 (0xFFE33725)
YUV	104.3760, -33.2164, 107.5412
Hunter-Lab	43.8960, 59.3287, 25.7013

Details

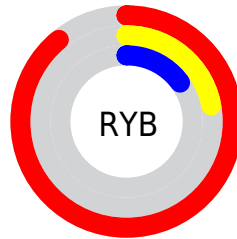
The CIELCh color **51, 81.852, 38.197** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **77, 40.110, 210.990**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.572, 39.506**, and **34, 74.573, 39.772** is the 20% darker color. If you saturate the color by 10%, you get **49, 90.507, 40.082**, and if you desaturate by 10%, it is **54, 71.280, 35.884**.

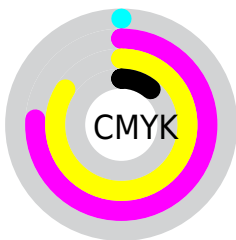
Distribution



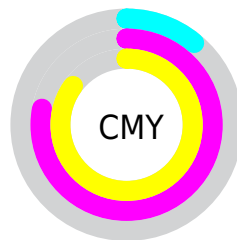
- Red (89%)
- Green (22%)
- Blue (15%)



- Red (89%)
- Yellow (22%)
- Blue (15%)



- Cyan (0%)
- Magenta (76%)
- Yellow (84%)
- Black (11%)



- Cyan (11%)
- Magenta (78%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 81.852, 38.197 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, 81.852, 38.197 by changing the saturation by 10% instead.

■ 51, 81.852, 38.197

■ 51, 81.852, 38.197

■ 100, 81.852,
38.197

■ 41, 81.852, 38.197

■ 71, 81.852, 38.197

■ 31, 81.852, 38.197

■ 81, 81.852, 38.197

■ 21, 81.852, 38.197

■ 91, 81.852, 38.197

■ 11, 81.852, 38.197

■ 1, 81.852, 38.197

■ 0, 81.852, 38.197

■ 51, 81.852, 38.197

■ 51, 81.852, 38.197

■ 49, 90.507, 40.082

■ 54, 71.280, 35.884

■ 48, 94.452, 40.924

■ 57, 60.177, 33.767

62, 49.169, 32.041

67, 38.582, 30.715

72, 28.593, 29.729

77, 19.285, 29.012

83, 10.672, 28.493

88, 2.729, 27.993

94, 4.593, 208.138

Harmonies

Complementary

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



51, 81.852, 38.197



77, 40.110, 210.990

Rectangle

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



51, 81.852, 38.197



51, 81.852, 88.197



51, 81.852, 218.197



51, 81.852, 268.197

Sweetspot

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



51, 81.849, 38.199



85, 22.538, 29.107



54, 95.460, 331.241



43, 15.602, 29.346



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, 81.849, 38.199



54, 103.168, 40.844



68, 68.687, 71.577



45, 4.404, 28.310



38, 78.578, 41.134



7, 25.342, 26.828

Inverse Universe

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



77, 40.110, 210.990



84, 44.734, 213.607



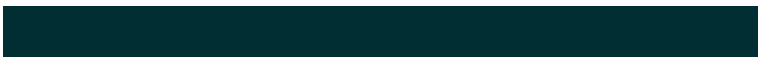
50, 65.112, 285.126



47, 4.142, 208.030



61, 34.287, 213.184



17, 14.574, 210.317

Previews

White Background



This preview shows how the CIELCh color 51, 81.852, 38.197 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, 81.852, 38.197 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, 81.852, 38.197

Background



This preview shows how black text looks on a background with the CIELCh color 51, 81.852, 38.197.



This preview shows how white text looks on a background with the CIELCh color 51, 81.852, 38.197.

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, 81.852, 38.197

Protanopia

51, 38.625, 95.341

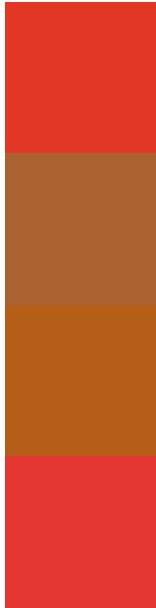
Deuteranopia

51, 54.671, 83.419



Tritanopia
51, 77.989, 32.571

Trichromacy



Original Color
51, 81.852, 38.197

Protanomaly
49, 46.770, 58.442

Deuteranomaly
49, 60.453, 59.372

Tritanomaly
51, 79.405, 34.770

Monochromacy



Original Color
51, 81.852, 38.197

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 29.040, 31.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 81.852, 38.197 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(227, 55, 37)` looks like.

```
.text, #text, p{  
    color:rgb(227, 55, 37)  
}
```

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(227, 55, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 55, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 81.852, 38.197 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(227, 55, 37) }
```

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

```
.border{ border-color:rgb(227, 55, 37) }
```

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

Here you see how a box with a 4 pixel rgb(227, 55, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 55, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 55, 37);  
box-shadow:4px 4px 4px 4px rgb(227, 55,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 81.852, 38.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 55, 37) }
```

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

```
.background{ background-color: rgb(227, 55,  
37) }
```

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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