

Converting Colors

CIELCh(51, 76.186, 32.926)

Have a look what the booklet for
CIELCh(51, 76.186, 32.926) contains.

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Color

CIELCh(51, 76.177, 32.922)

Conversions

Conversions Part 1

Format	Color
Hex	E23937
RGB	226, 57, 55
RGB Percent	89%, 22%, 22%
CMY	0.1152, 0.7779, 0.7854
CMYK	0.00, 0.75, 0.76, 0.12
HSL	1°, 74%, 55%
HSV	1°, 76%, 88%
XYZ	33.3719, 19.2686, 5.5411
YIQ	107.3030, 101.3660, 35.2060

Conversions

Conversions Part 2

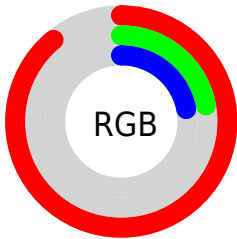
Format	Color
R _Y B	226, 57, 55
Decimal	14825783
CIE Lab	51.00, 63.94, 41.40
CIE LCh	51, 76.177, 32.922
Yxy	19.2686, 0.5736, 0.3312
Android (android.graphics.Color)	4293015863 (0xFFE23937)
YUV	107.3030, -25.7854, 104.0973
Hunter-Lab	43.8960, 58.8864, 23.2429

Details

The CIELCh color **51, 76.177, 32.922** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **82, 42.170, 197.985**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.360, 32.892**, and **33, 71.564, 36.941** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.879, 36.365**, and if you desaturate by 10%, it is **54, 65.419, 29.733**.

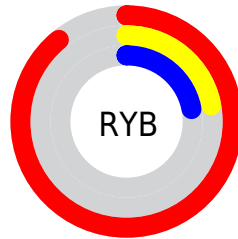
Distribution



Red (89%)

Green (22%)

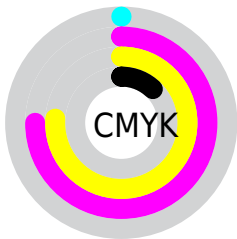
Blue (22%)



Red (89%)

Yellow (22%)

Blue (22%)

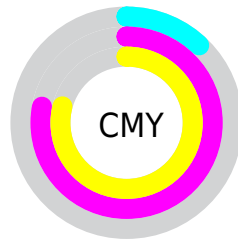


Cyan (0%)

Magenta (75%)

Yellow (76%)

Black (12%)



Cyan (12%)

Magenta (78%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 76.177, 32.922 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, 76.177, 32.922 by changing the saturation by 10% instead.

■ 51, 76.177, 32.922

■ 51, 76.177, 32.922

■ 100, 76.177,
32.922

■ 41, 76.177, 32.922

■ 71, 76.177, 32.922

■ 31, 76.177, 32.922

■ 81, 76.177, 32.922

■ 21, 76.177, 32.922

■ 91, 76.177, 32.922

■ 11, 76.177, 32.922

■ 1, 76.177, 32.922

■ 0, 76.177, 32.922

■ 51, 76.177, 32.922

■ 51, 76.177, 32.922

■ 49, 85.879, 36.365

■ 54, 65.419, 29.733

■ 47, 92.964, 39.127

■ 58, 54.330, 27.102

47, 95.192, 40.091

63, 43.336, 25.042

69, 32.734, 23.462

74, 22.709, 22.256

80, 13.351, 21.325

86, 4.680, 20.542

92, 3.334, 200.314

98, 9.969, 198.842

Harmonies

Complementary

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



51, 76.177, 32.922



82, 42.170, 197.985

Rectangle

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



51, 76.177, 32.922



51, 76.177, 82.922



51, 76.177, 212.922



51, 76.177, 262.922

Sweetspot

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



51, 76.174, 32.924



85, 22.185, 21.993



56, 96.054, 327.927



43, 15.573, 22.368



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, 76.174, 32.924



54, 99.289, 38.160



66, 62.351, 65.545



44, 4.676, 20.831



36, 78.959, 40.081



6, 25.345, 21.481

Inverse Universe

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



82, 42.170, 197.985



90, 48.821, 198.041



57, 50.792, 273.938



46, 4.404, 199.940



64, 37.347, 198.111



17, 15.380, 197.826

Previews

White Background



This preview shows how the CIELCh color 51, 76.177, 32.922 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, 76.177, 32.922 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, 76.177, 32.922

Background



This preview shows how black text looks on a background with the CIELCh color 51, 76.177, 32.922.



This preview shows how white text looks on a background with the CIELCh color 51, 76.177, 32.922.

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, 76.177, 32.922

Protanopia
51, 27.379, 96.088

Deuteranopia
51, 44.579, 81.747



Tritanopia
51, 75.600, 31.627

Trichromacy



Original Color
51, 76.177, 32.922

Protanomaly
49, 38.183, 49.178

Deuteranomaly
49, 51.554, 53.279

Tritanomaly
51, 75.856, 31.994

Monochromacy



Original Color
51, 76.177, 32.922

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 27.454, 24.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 76.177, 32.922 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(226, 57, 55)` looks like.

```
.text, #text, p{  
    color:rgb(226, 57, 55)  
}
```

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(226, 57, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 57, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 76.177, 32.922 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(226, 57, 55) }
```

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

```
.border{ border-color:rgb(226, 57, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 57, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 57, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 57, 55);  
box-shadow:4px 4px 4px 4px rgb(226, 57,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 76.177, 32.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 57, 55) }
```

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

```
.background{ background-color: rgb(226, 57,  
55) }
```

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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