

Converting Colors

CIELCh(51, 77.071, 36.410)

Have a look what the booklet for
CIELCh(51, 77.071, 36.410) contains.

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Color

CIELCh(51, 77.249, 36.553)

Conversions

Conversions Part 1

Format	Color
Hex	E03C2E
RGB	224, 60, 46
RGB Percent	88%, 24%, 18%
CMY	0.1217, 0.7648, 0.8197
CMYK	0.00, 0.73, 0.79, 0.12
HSL	5°, 74%, 53%
HSV	5°, 79%, 88%
XYZ	32.8386, 19.2686, 4.5711
YIQ	107.4400, 102.2380, 30.4140

Conversions

Conversions Part 2

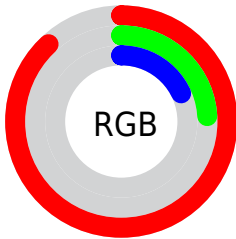
Format	Color
RYB	224, 61, 46
Decimal	14695470
CIELab	51.00, 62.05, 46.01
CIELCh	51, 77.249, 36.553
Yxy	19.2686, 0.5794, 0.3400
Android (android.graphics.Color)	4292885550 (0xFFE03C2E)
YUV	107.4400, -30.2899, 102.2231
Hunter-Lab	43.8960, 56.7176, 24.5531

Details

The CIELCh color **51, 77.249, 36.553** 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 **77, 39.662, 207.829**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 63.368, 37.200**, and **33, 73.493, 39.709** is the 20% darker color. If you saturate the color by 10%, you get **49, 86.746, 38.963**, and if you desaturate by 10%, it is **54, 66.509, 34.073**.

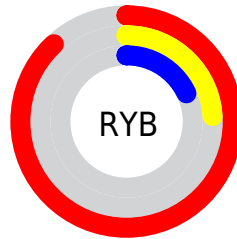
Distribution



Red (88%)

Green (24%)

Blue (18%)



Red (88%)

Yellow (24%)

Blue (18%)

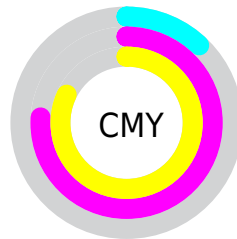


Cyan (0%)

Magenta (73%)

Yellow (79%)

Black (12%)



Cyan (12%)

Magenta (76%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 77.249, 36.553 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, 77.249, 36.553 by changing the saturation by 10% instead.

■ 51, 77.249, 36.553

■ 51, 77.249, 36.553

■ 100, 77.249,
36.553

■ 41, 77.249, 36.553

■ 71, 77.249, 36.553

■ 31, 77.249, 36.553

■ 81, 77.249, 36.553

■ 21, 77.249, 36.553

■ 91, 77.249, 36.553

■ 11, 77.249, 36.553

■ 1, 77.249, 36.553

■ 0, 77.249, 36.553

■ 51, 77.249, 36.553

■ 51, 77.249, 36.553

■ 49, 86.746, 38.963

■ 54, 66.509, 34.073

■ 47, 93.408, 40.609

■ 58, 55.508, 31.940

47, 93.721, 40.716

62, 44.712, 30.247

67, 34.387, 28.957

73, 24.679, 27.997

78, 15.651, 27.289

84, 7.305, 26.750

89, 0.392, 208.032

95, 7.493, 206.336

Harmonies

Complementary

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



51, 77.249, 36.553



77, 39.662, 207.829

Rectangle

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



51, 77.249, 36.553



51, 77.249, 86.553



51, 77.249, 216.553



51, 77.249, 266.553

Sweetspot

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



51, 77.246, 36.555



85, 21.852, 27.595



55, 93.464, 330.410



43, 15.233, 27.860



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, 77.246, 36.555



54, 100.576, 40.002



67, 64.970, 70.924



44, 4.386, 26.749



37, 78.006, 40.891



7, 24.191, 24.988

Inverse Universe

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



77, 39.662, 207.829



86, 45.305, 209.622



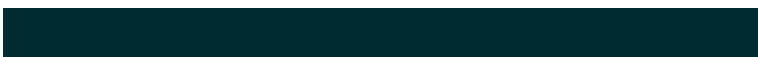
52, 59.277, 281.993



46, 4.126, 206.340



61, 34.425, 209.947



16, 14.326, 207.536

Previews

White Background



This preview shows how the CIELCh color 51, 77.249, 36.553 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, 77.249, 36.553 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, 77.249, 36.553

Background



This preview shows how black text looks on a background with the CIELCh color 51, 77.249, 36.553.



This preview shows how white text looks on a background with the CIELCh color 51, 77.249, 36.553.

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, 77.249, 36.553

Protanopia

51, 33.445, 95.444

Deuteranopia

51, 49.254, 82.617



Tritanopia
51, 73.905, 31.195

Trichromacy



Original Color
51, 77.249, 36.553

Protanomaly
49, 42.305, 56.089

Deuteranomaly
50, 54.958, 57.762

Tritanomaly
51, 74.990, 33.275

Monochromacy



Original Color
51, 77.249, 36.553

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 27.551, 29.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 77.249, 36.553 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(224, 60, 46)` looks like.

```
.text, #text, p{  
    color:rgb(224, 60, 46)  
}
```

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(224, 60, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 60, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 77.249, 36.553 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(224, 60, 46) }
```

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

```
.border{ border-color:rgb(224, 60, 46) }
```

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

Here you see how a box with a 4 pixel rgb(224, 60, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 60, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 60, 46);  
box-shadow:4px 4px 4px 4px rgb(224, 60,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 77.249, 36.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 60, 46) }
```

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

```
.background{ background-color: rgb(224, 60,  
46) }
```

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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