

Converting Colors

CIELCh(51, 76.396, 28.823)

Have a look what the booklet for
CIELCh(51, 76.396, 28.823) contains.

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Color

CIELCh(51, 76.506, 28.973)

Conversions

Conversions Part 1

Format	Color
Hex	E5333F
RGB	229, 51, 63
RGB Percent	90%, 20%, 25%
CMY	0.1037, 0.8018, 0.7541
CMYK	0.00, 0.78, 0.73, 0.10
HSL	356°, 77%, 55%
HSV	356°, 78%, 90%
XYZ	34.2270, 19.2686, 6.5733
YIQ	105.5900, 102.2360, 41.4680

Conversions

Conversions Part 2

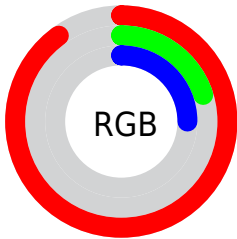
Format	Color
R_{YB}	229, 51, 63
Decimal	15020863
CIE Lab	51.00, 66.93, 37.06
CIE LCh	51, 76.506, 28.973
Yxy	19.2686, 0.5698, 0.3208
Android (android.graphics.Color)	4293210943 (0xFFE5333F)
YUV	105.5900, -20.9969, 108.2306
Hunter-Lab	43.8960, 62.3635, 21.8488

Details

The CIELCh color **51, 76.506, 28.973** 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 **83, 45.702, 188.186**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.830, 27.524**, and **34, 70.329, 34.269** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.304, 33.215**, and if you desaturate by 10%, it is **54, 66.697, 25.227**.

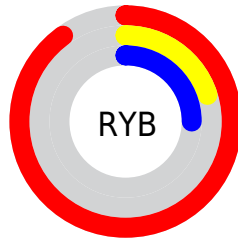
Distribution



Red (90%)

Green (20%)

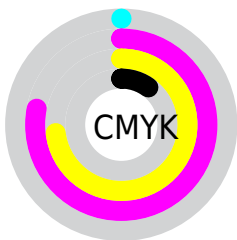
Blue (25%)



Red (90%)

Yellow (20%)

Blue (25%)

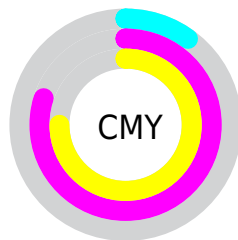


Cyan (0%)

Magenta (78%)

Yellow (73%)

Black (10%)



Cyan (10%)

Magenta (80%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 76.506, 28.973 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, 76.506, 28.973 by changing the saturation by 10% instead.

 51, 76.506, 28.973

 51, 76.506, 28.973

 100, 76.506,
28.973

 41, 76.506, 28.973

 71, 76.506, 28.973

 31, 76.506, 28.973

 81, 76.506, 28.973

 21, 76.506, 28.973

 91, 76.506, 28.973

 11, 76.506, 28.973

 1, 76.506, 28.973

 0, 76.506, 28.973

 51, 76.506, 28.973

 51, 76.506, 28.973

 49, 85.304, 33.215

 54, 66.697, 25.227

 48, 92.321, 37.198

 58, 56.311, 22.171

48, 93.522, 37.822

63, 45.718, 19.765

68, 35.254, 17.889

74, 25.169, 16.418

80, 15.611, 15.246

86, 6.648, 14.266

92, 1.714, 193.949

98, 9.019, 196.820

Harmonies

Complementary

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



51, 76.506, 28.973



83, 45.702, 188.186

Rectangle

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



51, 76.506, 28.973



51, 76.506, 78.973



51, 76.506, 208.973



51, 76.506, 258.973

Sweetspot

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



51, 76.503, 28.975



85, 22.330, 15.830



54, 98.325, 325.171



43, 15.643, 16.274



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, 76.503, 28.975



54, 97.301, 35.594



63, 65.789, 57.885



45, 4.828, 14.414



37, 77.148, 37.221



6, 26.896, 18.938

Inverse Universe

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



51, 76.503, 28.975



54, 97.301, 35.594



61, 45.984, 264.728



45, 4.828, 14.414



37, 77.148, 37.221



6, 26.896, 18.938

Previews

White Background



This preview shows how the CIELCh color 51, 76.506, 28.973 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, 76.506, 28.973 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, 76.506, 28.973

Background



This preview shows how black text looks on a background with the CIELCh color 51, 76.506, 28.973.



This preview shows how white text looks on a background with the CIELCh color 51, 76.506, 28.973.

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, 76.506, 28.973

Protanopia

51, 20.666, 95.107

Deuteranopia

51, 40.278, 80.715



Tritanopia
51, 78.438, 32.732

Trichromacy



Original Color
51, 76.506, 28.973

Protanomaly
48, 35.249, 40.180

Deuteranomaly
49, 48.576, 48.208

Tritanomaly
51, 77.593, 31.139

Monochromacy



Original Color
51, 76.506, 28.973

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 28.907, 17.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 76.506, 28.973 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(229, 51, 63)` looks like.

```
.text, #text, p{  
    color:rgb(229, 51, 63)  
}
```

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(229, 51, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 51, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 76.506, 28.973 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(229, 51, 63) }
```

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

```
.border{ border-color:rgb(229, 51, 63) }
```

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

Here you see how a box with a 4 pixel rgb(229, 51, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 51, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 51, 63);  
box-shadow:4px 4px 4px 4px rgb(229, 51,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 76.506, 28.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 51, 63) }
```

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

```
.background{ background-color: rgb(229, 51,  
63) }
```

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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