

Converting Colors

CIELCh(51, 81.364, 27.165)

Have a look what the booklet for
CIELCh(51, 81.364, 27.165) contains.

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Color

CIELCh(51, 81.364, 27.165)

Conversions

Conversions Part 1

Format	Color
Hex	EB233F
RGB	235, 35, 63
RGB Percent	92%, 14%, 25%
CMY	0.0778, 0.8617, 0.7525
CMYK	0.00, 0.85, 0.73, 0.08
HSL	352°, 83%, 53%
HSV	352°, 85%, 92%
XYZ	35.8268, 19.2686, 6.5512
YIQ	97.9920, 110.2120, 51.1080

Conversions

Conversions Part 2

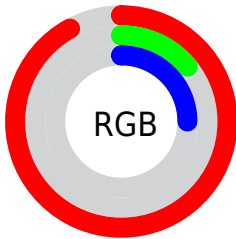
Format	Color
R_{YB}	235, 35, 63
Decimal	15409983
CIE _{Lab}	51.00, 72.39, 37.15
CIE _{LCh}	51, 81.364, 27.165
Yxy	19.2686, 0.5812, 0.3126
Android (android.graphics.Color)	4293600063 (0xFFEB233F)
YUV	97.9920, -17.2511, 120.1560
Hunter-Lab	43.8960, 68.8689, 21.8785

Details

The CIELCh color **51, 81.364, 27.165** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **84, 51.663, 179.407**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.588, 24.220**, and **35, 71.883, 34.252** is the 20% darker color. If you saturate the color by 10%, you get **50, 88.565, 32.100**, and if you desaturate by 10%, it is **53, 73.009, 22.722**.

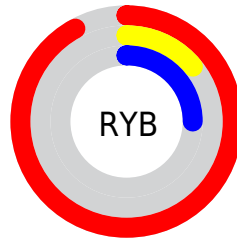
Distribution



Red (92%)

Green (14%)

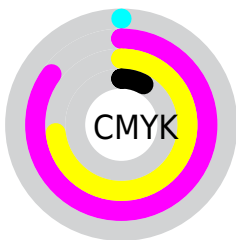
Blue (25%)



Red (92%)

Yellow (14%)

Blue (25%)

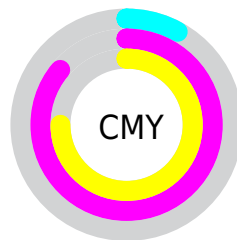


Cyan (0%)

Magenta (85%)

Yellow (73%)

Black (8%)



Cyan (8%)

Magenta (86%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 81.364, 27.165 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, 81.364, 27.165 by changing the saturation by 10% instead.

 51, 81.364, 27.165

 51, 81.364, 27.165

 100, 81.364,
27.165

 41, 81.364, 27.165

 71, 81.364, 27.165

 31, 81.364, 27.165

 81, 81.364, 27.165

 21, 81.364, 27.165

 91, 81.364, 27.165

 11, 81.364, 27.165

 1, 81.364, 27.165

 0, 81.364, 27.165

 51, 81.364, 27.165

 51, 81.364, 27.165

 50, 88.565, 32.100

 53, 73.009, 22.722

 49, 91.776, 34.415

 57, 63.684, 19.046

- 61, 53.665, 16.122
- 66, 43.322, 13.823
- 72, 33.006, 12.005
- 78, 22.977, 10.548
- 84, 13.394, 9.350
- 90, 4.332, 8.280
- 96, 4.190, 187.736

Harmonies

Complementary

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



51, 81.364, 27.165



84, 51.663, 179.407

Rectangle

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



51, 81.364, 27.165



51, 81.364, 77.165



51, 81.364, 207.165



51, 81.364, 257.165

Sweetspot

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



51, 81.361, 27.167



83, 25.594, 10.695



52, 105.112, 322.890



42, 17.511, 11.179



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, 81.361, 27.167



53, 97.813, 34.637



60, 75.743, 51.855



46, 4.978, 8.760



38, 74.746, 33.545



7, 28.040, 16.994

Inverse Universe

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



51, 81.361, 27.167



53, 97.813, 34.637



64, 45.420, 258.160



46, 4.978, 8.760



38, 74.746, 33.545



7, 28.040, 16.994

Previews

White Background



This preview shows how the CIELCh color 51, 81.364, 27.165 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, 81.364, 27.165 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, 81.364, 27.165

Background



This preview shows how black text looks on a background with the CIELCh color 51, 81.364, 27.165.



This preview shows how white text looks on a background with the CIELCh color 51, 81.364, 27.165.

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, 81.364, 27.165

Protanopia

51, 18.334, 95.351

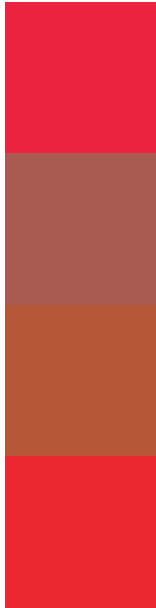
Deuteranopia

51, 40.972, 80.325



Tritanopia
51, 86.591, 35.620

Trichromacy



Original Color
51, 81.364, 27.165

Protanomaly
47, 36.990, 32.175

Deuteranomaly
48, 51.143, 45.038

Tritanomaly
51, 84.493, 32.745

Monochromacy



Original Color
51, 81.364, 27.165

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 32.723, 14.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 81.364, 27.165 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(235, 35, 63)` looks like.

```
.text, #text, p{  
    color:rgb(235, 35, 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(235, 35, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 35, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 81.364, 27.165 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(235, 35, 63) }
```

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

```
.border{ border-color:rgb(235, 35, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 35, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 35, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 35, 63);  
box-shadow:4px 4px 4px 4px rgb(235, 35,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 81.364, 27.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 35, 63) }
```

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

```
.background{ background-color: rgb(235, 35,  
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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