

Converting Colors

CIELCh(50, 80.057, 33.215)

Have a look what the booklet for
CIELCh(50, 80.057, 33.215) contains.

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Color

CIELCh(50, 80.061, 33.297)

Conversions

Conversions Part 1

Format	Color
Hex	E22E30
RGB	226, 46, 48
RGB Percent	89%, 18%, 19%
CMY	0.1125, 0.8181, 0.8109
CMYK	0.00, 0.80, 0.79, 0.11
HSL	359°, 76%, 53%
HSV	359°, 80%, 89%
XYZ	32.9941, 18.4187, 4.6367
YIQ	100.0480, 106.6380, 38.7820

Conversions

Conversions Part 2

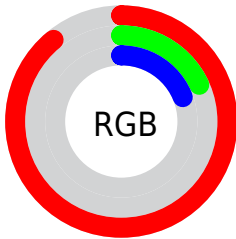
Format	Color
R_{YB}	226, 46, 48
Decimal	14822960
CIE _{Lab}	50.00, 66.92, 43.95
CIE _{LCh}	50, 80.061, 33.297
Yxy	18.4187, 0.5887, 0.3286
Android (android.graphics.Color)	4293013040 (0xFFE22E30)
YUV	100.0480, -25.6597, 110.4599
Hunter-Lab	42.9170, 62.1241, 23.6363

Details

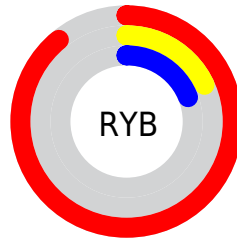
The CIELCh color **50, 80.061, 33.297** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **82, 43.893, 195.207**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 65.375, 33.208**, and **33, 73.474, 39.005** is the 20% darker color. If you saturate the color by 10%, you get **48, 88.925, 36.928**, and if you desaturate by 10%, it is **53, 69.748, 29.742**.

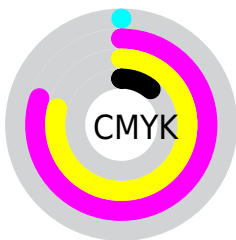
Distribution



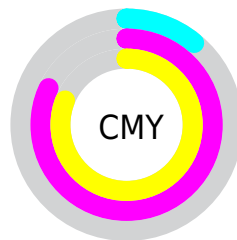
- Red (89%)
- Green (18%)
- Blue (19%)



- Red (89%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (80%)
- Yellow (79%)
- Black (11%)



- Cyan (11%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 80.061, 33.297 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 50, 80.061, 33.297 by changing the saturation by 10% instead.

■ 50, 80.061, 33.297

■ 50, 80.061, 33.297

■ 100, 80.061,
33.297

■ 40, 80.061, 33.297

■ 70, 80.061, 33.297

■ 30, 80.061, 33.297

■ 80, 80.061, 33.297

■ 20, 80.061, 33.297

■ 90, 80.061, 33.297

■ 10, 80.061, 33.297

■ 0, 80.061, 33.297

■ 50, 80.061, 33.297

■ 50, 80.061, 33.297

■ 48, 88.925, 36.928

■ 53, 69.748, 29.742

■ 47, 94.859, 39.557

■ 57, 58.842, 26.733

■ 47, 95.124, 39.671

■ 61, 47.817, 24.346

66, 37.022, 22.502

72, 26.704, 21.085

78, 17.002, 19.989

84, 7.970, 19.111

90, 0.397, 200.051

97, 8.139, 198.085

Harmonies

Complementary

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



50, 80.061, 33.297



82, 43.893, 195.207

Rectangle

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



50, 80.061, 33.297



50, 80.061, 83.297



50, 80.061, 213.297



50, 80.061, 263.297

Sweetspot

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



50, 80.058, 33.299



84, 23.457, 20.466



55, 98.685, 327.438



42, 16.332, 20.872



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 80.058, 33.299



54, 101.663, 38.707



64, 65.739, 63.431



44, 4.727, 19.105



36, 78.663, 39.535



6, 25.515, 20.510

Inverse Universe

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



50, 80.058, 33.299



54, 101.663, 38.707



57, 51.832, 273.686



44, 4.727, 19.105



36, 78.663, 39.535



6, 25.515, 20.510

Previews

White Background



This preview shows how the CIELCh color 50, 80.061, 33.297 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 80.061, 33.297 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 50, 80.061, 33.297

Background



This preview shows how black text looks on a background with the CIELCh color 50, 80.061, 33.297.



This preview shows how white text looks on a background with the CIELCh color 50, 80.061, 33.297.

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

50, 80.061, 33.297

Protanopia

50, 29.617, 96.435

Deuteranopia

50, 47.521, 82.542



Tritanopia
50, 80.159, 33.787

Trichromacy



Original Color
50, 80.061, 33.297

Protanomaly
47, 41.065, 49.273

Deuteranomaly
48, 54.751, 53.294

Tritanomaly
50, 80.159, 33.787

Monochromacy



Original Color
50, 80.061, 33.297

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 29.622, 23.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 80.061, 33.297 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, 46, 48)` looks like.

```
.text, #text, p{  
    color:rgb(226, 46, 48)  
}
```

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, 46, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 46, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 80.061, 33.297 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, 46, 48) }
```

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

```
.border{ border-color:rgb(226, 46, 48) }
```

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

Here you see how a box with a 4 pixel rgb(226, 46, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 46, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 46, 48);  
box-shadow:4px 4px 4px 4px rgb(226, 46,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 80.061, 33.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 46, 48) }
```

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

```
.background{ background-color: rgb(226, 46,  
48) }
```

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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