

Converting Colors

CIELCh(50, 81.357, 34.019)

Have a look what the booklet for
CIELCh(50, 81.357, 34.019) contains.

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Color

CIELCh(50, 81.406, 34.148)

Conversions

Conversions Part 1

Format	Color
Hex	E32D2D
RGB	227, 45, 45
RGB Percent	89%, 18%, 18%
CMY	0.1095, 0.8231, 0.8233
CMYK	0.00, 0.80, 0.80, 0.11
HSL	0°, 77%, 53%
HSV	0°, 80%, 89%
XYZ	33.1218, 18.4187, 4.2979
YIQ	99.4180, 108.4720, 38.5840

Conversions

Conversions Part 2

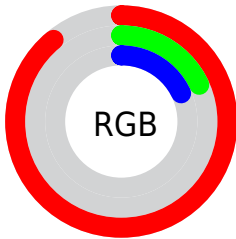
Format	Color
R _Y B	227, 45, 45
Decimal	14888237
CIE Lab	50.00, 67.37, 45.70
CIE LCh	50, 81.406, 34.148
Yxy	18.4187, 0.5932, 0.3299
Android (android.graphics.Color)	4293078317 (0xFFE32D2D)
YUV	99.4180, -26.8281, 111.8894
Hunter-Lab	42.9170, 62.6555, 24.1043

Details

The CIELCh color **50, 81.406, 34.148** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **82, 43.853, 196.554**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.368, 34.080**, and **33, 74.214, 39.752** is the 20% darker color. If you saturate the color by 10%, you get **48, 90.143, 37.596**, and if you desaturate by 10%, it is **53, 71.017, 30.640**.

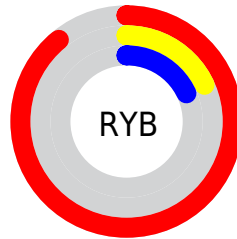
Distribution



Red (89%)

Green (18%)

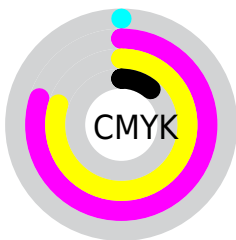
Blue (18%)



Red (89%)

Yellow (18%)

Blue (18%)

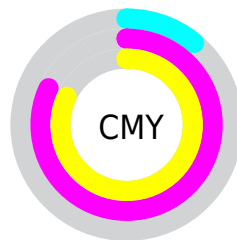


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (11%)



Cyan (11%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 81.406, 34.148 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, 81.406, 34.148 by changing the saturation by 10% instead.

■ 50, 81.406, 34.148

■ 50, 81.406, 34.148

■ 100, 81.406,
34.148

■ 40, 81.406, 34.148

■ 70, 81.406, 34.148

■ 30, 81.406, 34.148

■ 80, 81.406, 34.148

■ 20, 81.406, 34.148

■ 90, 81.406, 34.148

■ 10, 81.406, 34.148

■ 0, 81.406, 34.148

■ 50, 81.406, 34.148

■ 50, 81.406, 34.148

■ 48, 90.143, 37.596

■ 53, 71.017, 30.640

■ 47, 95.796, 40.003

■ 57, 59.984, 27.630

■ 61, 48.826, 25.233

66, 37.906, 23.382

72, 27.474, 21.966

78, 17.675, 20.878

84, 8.562, 20.015

90, 0.129, 14.751

97, 7.664, 199.024

Harmonies

Complementary

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



50, 81.406, 34.148



82, 43.853, 196.554

Rectangle

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



50, 81.406, 34.148



50, 81.406, 84.148



50, 81.406, 214.148



50, 81.406, 264.148

Sweetspot

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



50, 81.403, 34.150



84, 23.480, 21.279



56, 99.368, 328.021



42, 16.353, 21.676



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, 81.403, 34.150



53, 102.577, 39.212



65, 66.306, 64.792



45, 4.815, 19.959



37, 79.980, 39.975



6, 27.099, 21.773

Inverse Universe

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



82, 43.853, 196.554



91, 49.890, 196.444



56, 53.900, 275.805



47, 4.535, 198.996



66, 38.330, 196.433



18, 16.086, 196.426

Previews

White Background



This preview shows how the CIELCh color 50, 81.406, 34.148 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 50, 81.406, 34.148 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, 81.406, 34.148

Background



This preview shows how black text looks on a background with the CIELCh color 50, 81.406, 34.148.



This preview shows how white text looks on a background with the CIELCh color 50, 81.406, 34.148.

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, 81.406, 34.148

Protanopia

50, 31.313, 95.842

Deuteranopia

50, 49.400, 83.071



Tritanopia
50, 81.406, 34.148

Trichromacy



Original Color
50, 81.406, 34.148

Protanomaly
47, 42.603, 50.663

Deuteranomaly
48, 56.147, 54.539

Tritanomaly
50, 81.406, 34.148

Monochromacy



Original Color
50, 81.406, 34.148

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 30.141, 23.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 81.406, 34.148 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(227, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(227, 45, 45)  
}
```

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(227, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 45, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 81.406, 34.148 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(227, 45, 45) }
```

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

```
.border{ border-color:rgb(227, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(227, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 45,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 81.406, 34.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 45, 45) }
```

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

```
.background{ background-color: rgb(227, 45,  
45) }
```

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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