

Converting Colors

CIELCh(46, 84.205, 33.441)

Have a look what the booklet for
CIELCh(46, 84.205, 33.441) contains.

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Color

CIELCh(46, 84.435, 33.529)

Conversions

Conversions Part 1

Format	Color
Hex	DA0D23
RGB	218, 13, 35
RGB Percent	85%, 5%, 14%
CMY	0.1464, 0.9482, 0.8636
CMYK	0.00, 0.94, 0.84, 0.15
HSL	354°, 89%, 45%
HSV	354°, 94%, 85%
XYZ	29.2644, 15.2687, 2.9779
YIQ	76.8030, 115.1180, 50.3020

Conversions

Conversions Part 2

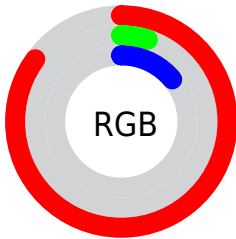
Format	Color
RYB	218, 13, 35
Decimal	14290211
CIELab	46.00, 70.39, 46.64
CIElCh	46, 84.435, 33.529
Yxy	15.2687, 0.6159, 0.3214
Android (android.graphics.Color)	4292480291 (0xFFDA0D23)
YUV	76.8030, -20.6089, 123.8298
Hunter-Lab	39.0751, 65.3019, 22.8341

Details

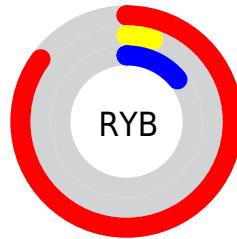
The CIELCh color **46, 84.435, 33.529** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **78, 48.495, 182.176**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 73.115, 33.099**, and **31, 70.930, 39.526** is the 20% darker color. If you saturate the color by 10%, you get **46, 88.219, 36.055**, and if you desaturate by 10%, it is **47, 77.110, 28.910**.

Distribution



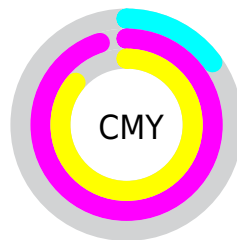
- Red (85%)
- Green (5%)
- Blue (14%)



- Red (85%)
- Yellow (5%)
- Blue (14%)



- Cyan (0%)
- Magenta (94%)
- Yellow (84%)
- Black (15%)



- Cyan (15%)
- Magenta (95%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 84.435, 33.529 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 46, 84.435, 33.529 by changing the saturation by 10% instead.

 46, 84.435, 33.529

 46, 84.435, 33.529

 100, 84.435,
33.529

 36, 84.435, 33.529

 66, 84.435, 33.529

 26, 84.435, 33.529

 76, 84.435, 33.529

 16, 84.435, 33.529

 86, 84.435, 33.529

 6, 84.435, 33.529


 96, 84.435, 33.529

 0, 84.435, 33.529

 46, 84.435, 33.529

 46, 84.435, 33.529

 46, 88.219, 36.055

 47, 77.110, 28.910

 50, 68.663, 24.676

■ 53, 59.404, 21.151

■ 57, 49.640, 18.342

■ 62, 39.716, 16.137

■ 67, 29.935, 14.402

■ 73, 20.511, 13.017

■ 79, 11.569, 11.885

■ 85, 3.159, 10.843

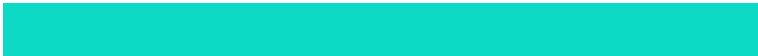
Harmonies

Complementary

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



46, 84.435, 33.529



78, 48.495, 182.176

Rectangle

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



46, 84.435, 33.529



46, 84.435, 83.529



46, 84.435, 213.529



46, 84.435, 263.529

Sweetspot

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



46, 84.432, 33.531



81, 27.643, 13.579



48, 102.095, 323.857



41, 19.321, 14.200



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 84.432, 33.531



53, 99.881, 36.449



55, 76.726, 52.863



43, 4.675, 11.430



36, 73.836, 35.341



5, 23.728, 15.714

Inverse Universe

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



46, 84.432, 33.531



53, 99.881, 36.449



56, 48.519, 267.529



43, 4.675, 11.430



36, 73.836, 35.341



5, 23.728, 15.714

Previews

White Background



This preview shows how the CIE LCh color 46, 84.435, 33.529 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 46, 84.435, 33.529 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 84.435, 33.529

Background



This preview shows how black text looks on a background with the CIELCh color 46, 84.435, 33.529.



This preview shows how white text looks on a background with the CIELCh color 46, 84.435, 33.529.

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

46, 84.503, 33.473

Protanopia

47, 32.071, 96.375

Deuteranopia

47, 52.630, 83.681



Tritanopia
46, 90.741, 40.401

Trichromacy



Original Color
46, 84.503, 33.473

Protanomaly
42, 45.046, 44.668

Deuteranomaly
43, 60.770, 52.724

Tritanomaly
46, 88.723, 38.472

Monochromacy



Original Color
46, 84.503, 33.473

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 34.561, 18.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 84.435, 33.529 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(218, 13, 35)` looks like.

```
.text, #text, p{  
    color:rgb(218, 13, 35)  
}
```

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(218, 13, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 13, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 84.435, 33.529 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(218, 13, 35) }
```

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

```
.border{ border-color:rgb(218, 13, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 13, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 13, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 13, 35);  
box-shadow:4px 4px 4px 4px rgb(218, 13,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 84.435, 33.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 13, 35) }
```

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

```
.background{ background-color: rgb(218, 13,  
35) }
```

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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