

Converting Colors

CIELCh(47, 75.083, 33.468)

Have a look what the booklet for
CIELCh(47, 75.083, 33.468) contains.

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Color

CIELCh(47, 74.865, 33.307)

Conversions

Conversions Part 1

Format	Color
Hex	D32E2E
RGB	211, 46, 46
RGB Percent	83%, 18%, 18%
CMY	0.1722, 0.8192, 0.8194
CMYK	0.00, 0.78, 0.78, 0.17
HSL	0°, 65%, 50%
HSV	0°, 78%, 83%
XYZ	28.3618, 16.0195, 4.1878
YIQ	95.3350, 98.3400, 34.9800

Conversions

Conversions Part 2

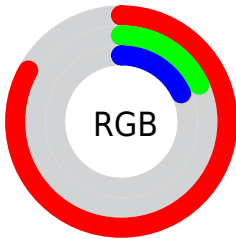
Format	Color
RYB	211, 46, 46
Decimal	13839918
CIELab	47.00, 62.57, 41.11
CIElCh	47, 74.865, 33.307
Yxy	16.0195, 0.5839, 0.3298
Android (android.graphics.Color)	4292029998 (0xFFD32E2E)
YUV	95.3350, -24.3222, 101.4382
Hunter-Lab	40.0243, 56.4451, 21.8135

Details

The CIELCh color **47, 74.865, 33.307** 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 **77, 41.077, 196.579**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.379, 33.302**, and **30, 69.064, 39.363** is the 20% darker color. If you saturate the color by 10%, you get **45, 83.595, 36.844**, and if you desaturate by 10%, it is **50, 64.877, 29.901**.

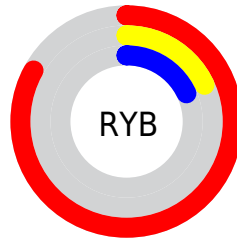
Distribution



Red (83%)

Green (18%)

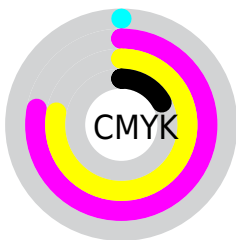
Blue (18%)



Red (83%)

Yellow (18%)

Blue (18%)

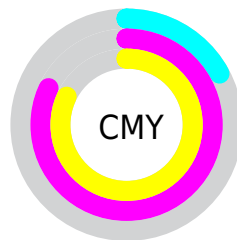


Cyan (0%)

Magenta (78%)

Yellow (78%)

Black (17%)



Cyan (17%)

Magenta (82%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 74.865, 33.307 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 47, 74.865, 33.307 by changing the saturation by 10% instead.

 47, 74.865, 33.307

 47, 74.865, 33.307

 100, 74.865,
33.307

 37, 74.865, 33.307

 67, 74.865, 33.307

 27, 74.865, 33.307

 77, 74.865, 33.307

 17, 74.865, 33.307

 87, 74.865, 33.307

 7, 74.865, 33.307

 97, 74.865, 33.307

 0, 74.865, 33.307

 47, 74.865, 33.307

 47, 74.865, 33.307

 45, 83.595, 36.844

 50, 64.877, 29.901

 44, 89.653, 39.535

 54, 54.417, 27.041

44, 90.675, 40.003

58, 43.925, 24.783

63, 33.717, 23.044

68, 24.005, 21.712

74, 14.902, 20.684

80, 6.446, 19.853

86, 1.377, 199.753

92, 8.610, 198.925

Harmonies

Complementary

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



47, 74.865, 33.307



77, 41.077, 196.579

Rectangle

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



47, 74.865, 33.307



47, 74.865, 83.307



47, 74.865, 213.307



47, 74.865, 263.307

Sweetspot

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



47, 74.862, 33.309



84, 22.415, 21.173



52, 92.714, 327.974



43, 15.732, 21.565



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 74.862, 33.309



54, 101.505, 38.793



61, 60.983, 65.195



41, 4.459, 19.950



35, 76.451, 39.867



4, 20.015, 19.480

Inverse Universe

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



77, 41.077, 196.579



91, 49.774, 196.446



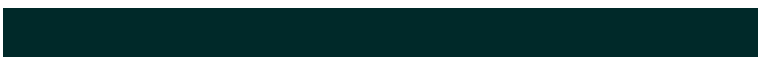
53, 49.604, 274.820



43, 4.202, 199.000



62, 36.698, 196.429



14, 14.034, 196.421

Previews

White Background



This preview shows how the CIELCh color 47, 74.865, 33.307 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 47, 74.865, 33.307 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 47, 74.865, 33.307

Background



This preview shows how black text looks on a background with the CIELCh color 47, 74.865, 33.307.



This preview shows how white text looks on a background with the CIELCh color 47, 74.865, 33.307.

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

47, 74.865, 33.307

Protanopia

47, 27.732, 95.714

Deuteranopia

47, 44.771, 82.353



Tritanopia
47, 74.597, 32.944

Trichromacy



Original Color
47, 74.865, 33.307

Protanomaly
45, 38.221, 49.689

Deuteranomaly
45, 50.808, 54.002

Tritanomaly
47, 74.597, 32.944

Monochromacy



Original Color
47, 74.865, 33.307

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 27.577, 23.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 74.865, 33.307 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(211, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(211, 46, 46)  
}
```

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(211, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 46, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 74.865, 33.307 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(211, 46, 46) }
```

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

```
.border{ border-color:rgb(211, 46, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 46, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(211, 46,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 74.865, 33.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 46, 46) }
```

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

```
.background{ background-color: rgb(211, 46,  
46) }
```

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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