

Converting Colors

CIELCh(47, 76.753, 33.962)

Have a look what the booklet for
CIELCh(47, 76.753, 33.962) contains.

CIELCh(47, 76.974, 33.905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 76.974, 33.905)

Conversions

Conversions Part 1

Format	Color
Hex	D52B2B
RGB	213, 43, 43
RGB Percent	84%, 17%, 17%
CMY	0.1652, 0.8319, 0.8317
CMYK	0.00, 0.80, 0.80, 0.17
HSL	360°, 67%, 50%
HSV	360°, 80%, 83%
XYZ	28.6987, 16.0195, 3.8569
YIQ	93.8300, 101.3200, 36.0400

Conversions

Conversions Part 2

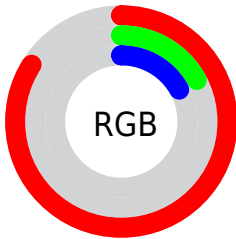
Format	Color
R _Y B	213, 43, 43
Decimal	13970219
CIE Lab	47.00, 63.89, 42.94
CIE LCh	47, 76.974, 33.905
Yxy	16.0195, 0.5908, 0.3298
Android (android.graphics.Color)	4292160299 (0xFFD52B2B)
YUV	93.8300, -25.0592, 104.5121
Hunter-Lab	40.0243, 57.9477, 22.3037

Details

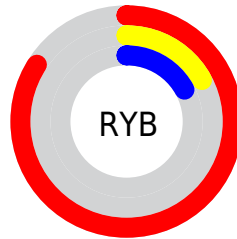
The CIELCh color **47, 76.974, 33.905** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **78, 41.686, 196.490**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 67.630, 33.807**, and **30, 69.440, 39.398** is the 20% darker color. If you saturate the color by 10%, you get **45, 85.406, 37.382**, and if you desaturate by 10%, it is **50, 67.065, 30.425**.

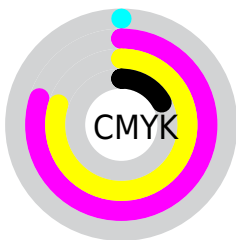
Distribution



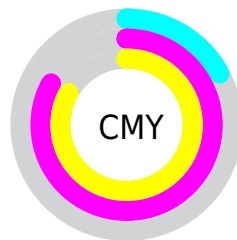
- Red (84%)
- Green (17%)
- Blue (17%)



- Red (84%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (17%)



- Cyan (17%)
- Magenta (83%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 76.974, 33.905 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, 76.974, 33.905 by changing the saturation by 10% instead.

 47, 76.974, 33.905

 47, 76.974, 33.905

 100, 76.974,
33.905

 37, 76.974, 33.905

 67, 76.974, 33.905

 27, 76.974, 33.905

 77, 76.974, 33.905

 17, 76.974, 33.905

 87, 76.974, 33.905

 7, 76.974, 33.905

 97, 76.974, 33.905

 0, 76.974, 33.905

 47, 76.974, 33.905

 47, 76.974, 33.905

 45, 85.406, 37.382

 50, 67.065, 30.425

 44, 91.166, 39.955

 53, 56.582, 27.456

44, 91.247, 39.992

58, 45.999, 25.094

63, 35.654, 23.271

68, 25.779, 21.875

74, 16.503, 20.800

79, 7.877, 19.944

85, 0.107, 204.773

91, 7.488, 198.963

Harmonies

Complementary

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



47, 76.974, 33.905



78, 41.686, 196.490

Rectangle

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



47, 76.974, 33.905



47, 76.974, 83.905



47, 76.974, 213.905



47, 76.974, 263.905

Sweetspot

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



47, 76.971, 33.907



84, 23.486, 21.238



52, 94.279, 327.439



42, 16.357, 21.636



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, 76.971, 33.907



53, 102.572, 39.204



61, 62.828, 63.421



42, 4.550, 19.910



35, 77.339, 39.889



5, 22.000, 19.756

Inverse Universe

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



47, 76.971, 33.907



53, 102.572, 39.204



53, 49.535, 273.712



42, 4.550, 19.910



35, 77.339, 39.889



5, 22.000, 19.756

Previews

White Background



This preview shows how the CIELCh color 47, 76.974, 33.905 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, 76.974, 33.905 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, 76.974, 33.905

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.974, 33.905.



This preview shows how white text looks on a background with the CIELCh color 47, 76.974, 33.905.

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, 76.974, 33.905

Protanopia

47, 29.363, 96.025

Deuteranopia

47, 46.723, 82.947



Tritanopia
47, 76.974, 33.905

Trichromacy



Original Color
47, 76.974, 33.905

Protanomaly
44, 39.924, 50.310

Deuteranomaly
45, 53.148, 54.824

Tritanomaly
47, 76.974, 33.905

Monochromacy



Original Color
47, 76.974, 33.905

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 28.625, 23.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 76.974, 33.905 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(213, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(213, 43, 43)  
}
```

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(213, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 43, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.974, 33.905 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(213, 43, 43) }
```

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

```
.border{ border-color:rgb(213, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(213, 43,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.974, 33.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 43, 43) }
```

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

```
.background{ background-color: rgb(213, 43,  
43) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor