

Converting Colors

CIELCh(47, 77.103, 15.611)

Have a look what the booklet for
CIELCh(47, 77.103, 15.611) contains.

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Color

CIELCh(47, 76.880, 15.609)

Conversions

Conversions Part 1

Format	Color
Hex	DD0151
RGB	221, 1, 81
RGB Percent	87%, 0%, 32%
CMY	0.1325, 0.9970, 0.6817
CMYK	0.00, 1.00, 0.63, 0.13
HSL	338°, 99%, 44%
HSV	338°, 100%, 87%
XYZ	31.3860, 16.0195, 9.2544
YIQ	75.9000, 105.4400, 71.5200

Conversions

Conversions Part 2

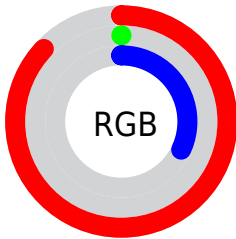
Format	Color
RYB	221, 1, 81
Decimal	14483793
CIELab	47.00, 74.04, 20.69
CIElCh	47, 76.880, 15.609
Yxy	16.0195, 0.5539, 0.2827
Android (android.graphics.Color)	4292673873 (0xFFDD0151)
YUV	75.9000, 2.5143, 127.2527
Hunter-Lab	40.0243, 69.9325, 14.3080

Details

The CIELCh color **47, 76.880, 15.609** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **78, 68.947, 156.876**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.196, 11.272**, and **33, 63.238, 26.037** is the 20% darker color. If you saturate the color by 10%, you get **47, 76.984, 15.791**, and if you desaturate by 10%, it is **48, 73.887, 10.479**.

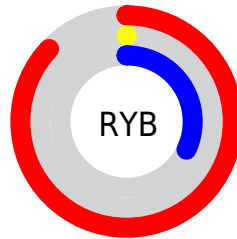
Distribution



Red (87%)

Green (0%)

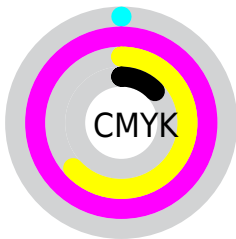
Blue (32%)



Red (87%)

Yellow (0%)

Blue (32%)

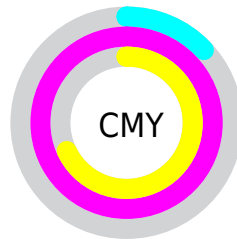


Cyan (0%)

Magenta (100%)

Yellow (63%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 76.880, 15.609 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, 76.880, 15.609 by changing the saturation by 10% instead.

 47, 76.880, 15.609

 47, 76.880, 15.609

 100, 76.880,
15.609

 37, 76.880, 15.609

 67, 76.880, 15.609

 27, 76.880, 15.609

 77, 76.880, 15.609

 17, 76.880, 15.609

 87, 76.880, 15.609

 7, 76.880, 15.609

 97, 76.880, 15.609

 0, 76.880, 15.609

 47, 76.880, 15.609

 47, 76.880, 15.609

 47, 76.984, 15.791

 48, 73.887, 10.479

 50, 69.584, 6.184

■ 53, 63.537, 2.780

■ 56, 55.925, 0.100

■ 61, 47.172,
357.967

■ 66, 37.747,
356.234

■ 71, 28.047,
354.794

■ 77, 18.360,
353.566

■ 82, 8.873, 352.483

Harmonies

Complementary

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



47, 76.880, 15.609



78, 68.947, 156.876

Rectangle

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



47, 76.880, 15.609



47, 76.880, 65.609



47, 76.880, 195.609



47, 76.880, 245.609

Sweetspot

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



47, 76.876, 15.611



81, 31.862, 354.872



39, 108.937, 315.246



40, 21.812, 355.460



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, 76.876, 15.611



54, 85.848, 16.278



47, 91.386, 41.539



43, 5.181, 352.459



37, 63.987, 14.798



6, 24.120, 3.349

Inverse Universe

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



47, 76.876, 15.611



54, 85.848, 16.278



71, 39.296, 221.339



43, 5.181, 352.459



37, 63.987, 14.798



6, 24.120, 3.349

Previews

White Background



This preview shows how the CIELCh color 47, 76.880, 15.609 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, 76.880, 15.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

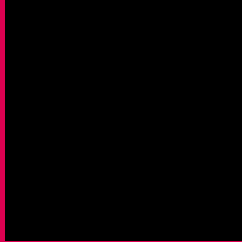
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 76.880, 15.609

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.880, 15.609.



This preview shows how white text looks on a background with the CIELCh color 47, 76.880, 15.609.

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, 76.810, 15.653

Protanopia

48, 3.572, 297.057

Deuteranopia

48, 25.851, 75.520



Tritanopia
47, 84.571, 36.629

Trichromacy



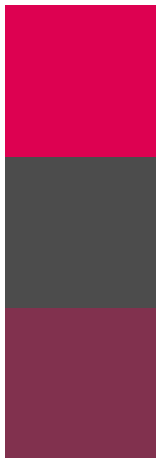
Original Color
47, 76.810, 15.653

Protanomaly
42, 37.765, 355.351

Deuteranomaly
43, 44.724, 22.687

Tritanomaly
47, 80.950, 29.562

Monochromacy



Original Color
47, 76.810, 15.653

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 37.444, 0.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 76.880, 15.609 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(221, 1, 81)` looks like.

```
.text, #text, p{  
    color:rgb(221, 1, 81)  
}
```

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(221, 1, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 1, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.880, 15.609 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(221, 1, 81) }
```

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

```
.border{ border-color:rgb(221, 1, 81) }
```

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

Here you see how a box with a 4 pixel rgb(221, 1, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 1, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 1, 81);  
box-shadow:4px 4px 4px 4px rgb(221, 1, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.880, 15.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 1, 81) }
```

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

```
.background{ background-color: rgb(221, 1,  
81) }
```

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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