

Converting Colors

CIELCh(47, 76.704, 13.832)

Have a look what the booklet for
CIELCh(47, 76.704, 13.832) contains.

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Color

CIELCh(47, 76.487, 13.854)

Conversions

Conversions Part 1

Format	Color
Hex	DD0055
RGB	221, 0, 85
RGB Percent	87%, 0%, 33%
CMY	0.1335, 1.0000, 0.6668
CMYK	0.00, 1.00, 0.62, 0.13
HSL	337°, 100%, 43%
HSV	337°, 100%, 87%
XYZ	31.4452, 16.0195, 10.0235
YIQ	75.7690, 104.4310, 73.2870

Conversions

Conversions Part 2

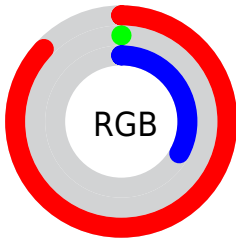
Format	Color
RYB	221, 0, 85
Decimal	14483541
CIELab	47.00, 74.26, 18.31
CIElCh	47, 76.487, 13.854
Yxy	16.0195, 0.5470, 0.2787
Android (android.graphics.Color)	4292673621 (0xFFDD0055)
YUV	75.7690, 4.5509, 127.3676
Hunter-Lab	40.0243, 70.1966, 13.1687

Details

The CIELCh color **47, 76.487, 13.854** 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, 70.680, 155.473**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.141, 9.356**, and **33, 62.331, 23.920** is the 20% darker color. If you saturate the color by 10%, you get **47, 76.479, 13.859**, and if you desaturate by 10%, it is **48, 73.805, 8.842**.

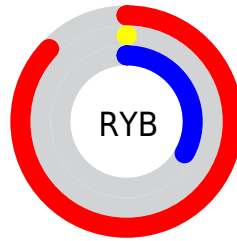
Distribution



Red (87%)

Green (0%)

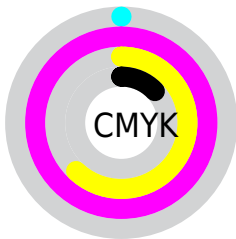
Blue (33%)



Red (87%)

Yellow (0%)

Blue (33%)

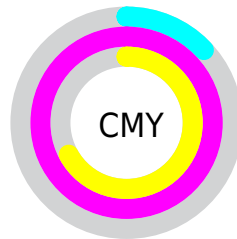


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 76.487, 13.854 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, 76.487, 13.854 by changing the saturation by 10% instead.

 47, 76.487, 13.854

 47, 76.487, 13.854

 100, 76.487,
13.854

 37, 76.487, 13.854

 67, 76.487, 13.854

 27, 76.487, 13.854

 77, 76.487, 13.854

 17, 76.487, 13.854

 87, 76.487, 13.854

 7, 76.487, 13.854

 97, 76.487, 13.854

 0, 76.487, 13.854

 47, 76.487, 13.854

 47, 76.487, 13.854

 47, 76.479, 13.859

 48, 73.805, 8.842

 50, 69.784, 4.649

■ 53, 63.943, 1.332

■ 56, 56.464,
358.720

■ 61, 47.778,
356.637

■ 66, 38.364,
354.941

■ 71, 28.630,
353.526

■ 76, 18.876,
352.315

■ 82, 9.297, 351.246

Harmonies

Complementary

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



47, 76.487, 13.854



78, 70.680, 155.473

Rectangle

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



47, 76.487, 13.854



47, 76.487, 63.854



47, 76.487, 193.854



47, 76.487, 243.854

Sweetspot

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



47, 76.479, 13.859



81, 32.165, 353.557



38, 109.726, 314.281



40, 22.009, 354.132



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, 76.479, 13.859



54, 85.329, 14.340



47, 92.339, 41.016



43, 5.241, 351.187



37, 63.672, 12.891



6, 24.213, 2.156

Inverse Universe

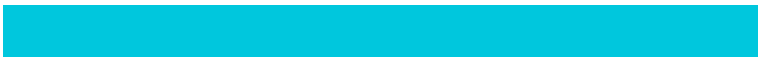
The Inverse Universe completely reimagines the original color for something new.



47, 76.479, 13.859



54, 85.329, 14.340



74, 40.021, 214.428



43, 5.241, 351.187



37, 63.672, 12.891



6, 24.213, 2.156

Previews

White Background



This preview shows how the CIELCh color 47, 76.487, 13.854 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, 76.487, 13.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

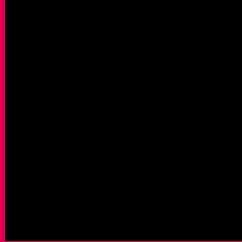
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 76.487, 13.854

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.487, 13.854.



This preview shows how white text looks on a background with the CIELCh color 47, 76.487, 13.854.

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, 76.487, 13.854

Protanopia

48, 6.498, 287.619

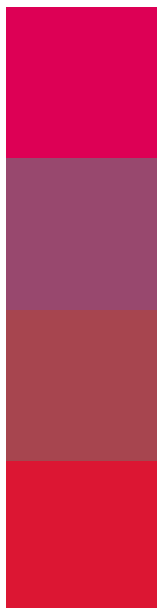
Deuteranopia

48, 23.567, 74.076



Tritanopia
47, 83.551, 36.188

Trichromacy



Original Color
47, 76.487, 13.854

Protanomaly
42, 38.483, 350.808

Deuteranomaly
43, 43.775, 19.560

Tritanomaly
47, 80.359, 28.924

Monochromacy



Original Color
47, 76.487, 13.854

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 38.060, 358.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 76.487, 13.854 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, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 85)  
}
```

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, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.487, 13.854 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, 0, 85) }
```

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

```
.border{ border-color:rgb(221, 0, 85) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.487, 13.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 85) }
```

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

```
.background{ background-color: rgb(221, 0,  
85) }
```

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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