

Converting Colors

CIELCh(47, 76.796, 14.280)

Have a look what the booklet for
CIELCh(47, 76.796, 14.280) contains.

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Color

CIELCh(47, 76.577, 14.294)

Conversions

Conversions Part 1

Format	Color
Hex	DD0054
RGB	221, 0, 84
RGB Percent	87%, 0%, 33%
CMY	0.1332, 0.9994, 0.6705
CMYK	0.00, 1.00, 0.62, 0.13
HSL	337°, 100%, 43%
HSV	337°, 100%, 87%
XYZ	31.4301, 16.0195, 9.8277
YIQ	75.6550, 104.7520, 72.9760

Conversions

Conversions Part 2

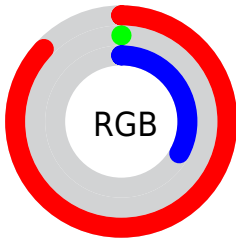
Format	Color
RYB	221, 0, 84
Decimal	14483540
CIELab	47.00, 74.21, 18.91
CIELCh	47, 76.577, 14.294
Yxy	16.0195, 0.5487, 0.2797
Android (android.graphics.Color)	4292673620 (0xFFDD0054)
YUV	75.6550, 4.1141, 127.4676
Hunter-Lab	40.0243, 70.1289, 13.4588

Details

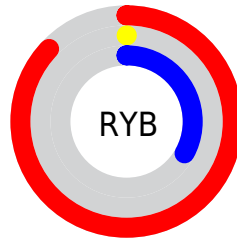
The CIELCh color **47, 76.577, 14.294** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **78, 70.264, 155.805**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.146, 9.835**, and **33, 62.549, 24.458** is the 20% darker color. If you saturate the color by 10%, you get **47, 76.593, 14.330**, and if you desaturate by 10%, it is **48, 73.825, 9.248**.

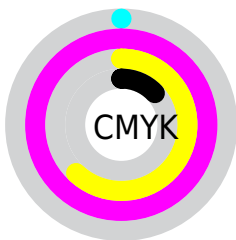
Distribution



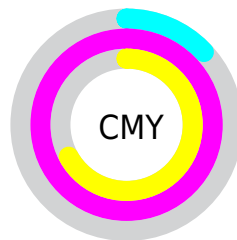
- Red (87%)
- Green (0%)
- Blue (33%)



- 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, 76.577, 14.294 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, 76.577, 14.294 by changing the saturation by 10% instead.

 47, 76.577, 14.294

 47, 76.577, 14.294

 100, 76.577,
14.294

 37, 76.577, 14.294

 67, 76.577, 14.294

 27, 76.577, 14.294

 77, 76.577, 14.294

 17, 76.577, 14.294

 87, 76.577, 14.294

 7, 76.577, 14.294

 97, 76.577, 14.294

 0, 76.577, 14.294

 47, 76.577, 14.294

 47, 76.577, 14.294

 47, 76.593, 14.330

 48, 73.825, 9.248

 50, 69.739, 5.028

■ 53, 63.852, 1.688

■ 56, 56.344,
359.058

■ 61, 47.644,
356.962

■ 66, 38.228,
355.256

■ 71, 28.503,
353.834

■ 76, 18.766,
352.619

■ 82, 9.209, 351.545

Harmonies

Complementary

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



47, 76.577, 14.294



78, 70.264, 155.805

Rectangle

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



47, 76.577, 14.294



47, 76.577, 64.294



47, 76.577, 194.294



47, 76.577, 244.294

Sweetspot

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



47, 76.573, 14.296



81, 32.089, 353.874



39, 109.341, 314.750



40, 21.960, 354.452



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, 76.573, 14.296



54, 85.445, 14.813



47, 91.936, 41.272



43, 5.226, 351.493



37, 63.741, 13.356



6, 24.189, 2.450

Inverse Universe

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



47, 76.573, 14.296



54, 85.445, 14.813



72, 39.588, 217.865



43, 5.226, 351.493



37, 63.741, 13.356



6, 24.189, 2.450

Previews

White Background



This preview shows how the CIELCh color 47, 76.577, 14.294 looks on a white background.

Color Contrast Check

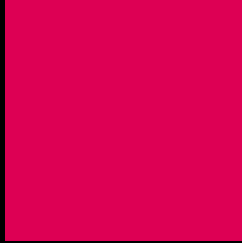
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.577, 14.294 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, 76.577, 14.294

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.577, 14.294.



This preview shows how white text looks on a background with the CIELCh color 47, 76.577, 14.294.

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, 76.577, 14.294

Protanopia

48, 5.903, 290.975

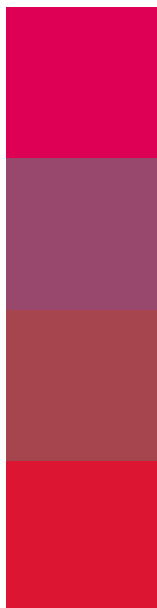
Deuteranopia

48, 24.069, 74.698



Tritanopia
47, 83.814, 36.457

Trichromacy



Original Color
47, 76.577, 14.294

Protanomaly
42, 38.255, 351.613

Deuteranomaly
43, 43.891, 20.320

Tritanomaly
47, 80.604, 29.286

Monochromacy



Original Color
47, 76.577, 14.294

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, 76.577, 14.294 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.577, 14.294 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, 84) }
```

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

```
.border{ border-color:rgb(221, 0, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.577, 14.294 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, 84) }
```

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

```
.background{ background-color: rgb(221, 0,  
84) }
```

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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