

Converting Colors

CIELCh(32, 124.104, 356.297)

Have a look what the booklet for
CIELCh(32, 124.104, 356.297)
contains.

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Color

CIELCh(47, 76.237, 10.508)

Conversions

Conversions Part 1

Format	Color
Hex	DD005C
RGB	221, 0, 92
RGB Percent	87%, 0%, 36%
CMY	0.1343, 1.0000, 0.6390
CMYK	0.00, 1.00, 0.58, 0.13
HSL	335°, 100%, 43%
HSV	335°, 100%, 87%
XYZ	31.6356, 16.0195, 11.5653
YIQ	76.5670, 102.1840, 75.4640

Conversions

Conversions Part 2

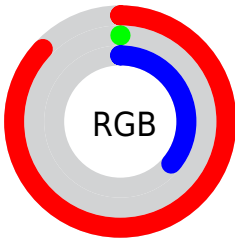
Format	Color
RYB	221, 0, 92
Decimal	14483548
CIELab	47.00, 74.96, 13.90
CIELCh	47, 76.237, 10.508
Yxy	16.0195, 0.5342, 0.2705
Android (android.graphics.Color)	4292673628 (0xFFDD005C)
YUV	76.5670, 7.6085, 126.6677
Hunter-Lab	40.0243, 71.0457, 10.8848

Details

The CIELCh color **47, 76.237, 10.508** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **78, 73.368, 153.431**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.287, 5.540**, and **33, 61.150, 20.589** is the 20% darker color. If you saturate the color by 10%, you get **47, 75.934, 10.673**, and if you desaturate by 10%, it is **48, 73.716, 5.903**.

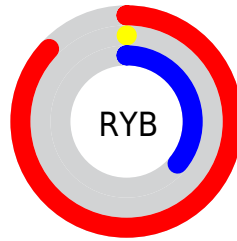
Distribution



Red (87%)

Green (0%)

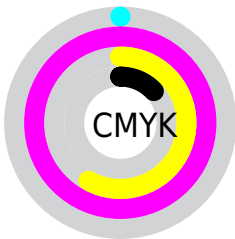
Blue (36%)



Red (87%)

Yellow (0%)

Blue (36%)

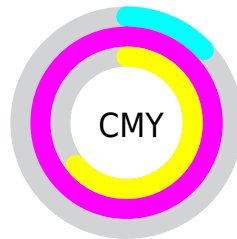


Cyan (0%)

Magenta (100%)

Yellow (58%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 76.237, 10.508 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, 76.237, 10.508 by changing the saturation by 10% instead.

■ 47, 76.237, 10.508

■ 47, 76.237, 10.508

■ 100, 76.237,
10.508

■ 37, 76.237, 10.508

■ 67, 76.237, 10.508

■ 27, 76.237, 10.508

■ 77, 76.237, 10.508

■ 17, 76.237, 10.508

■ 87, 76.237, 10.508

■ 7, 76.237, 10.508

■ 97, 76.237, 10.508

■ 0, 76.237, 10.508

■ 47, 76.237, 10.508

■ 47, 76.237, 10.508

■ 47, 75.934, 10.673

■ 48, 73.716, 5.903

■ 50, 70.018, 1.952

■ 53, 64.380,
358.836

■ 56, 57.009,
356.377

■ 61, 48.351,
354.408

■ 66, 38.902,
352.794

■ 71, 29.084,
351.438

■ 76, 19.206,
350.269

■ 82, 9.473, 349.230

Harmonies

Complementary

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



47, 76.237, 10.508



78, 73.368, 153.431

Rectangle

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



47, 76.237, 10.508



47, 76.237, 60.508



47, 76.237, 190.508



47, 76.237, 240.508

Sweetspot

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



47, 75.934, 10.673



81, 32.698, 351.468



37, 110.434, 313.390



40, 22.357, 352.020



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, 75.934, 10.673



54, 84.731, 11.136



47, 92.898, 40.587



43, 5.345, 349.173



37, 63.336, 9.752



6, 24.397, 0.125

Inverse Universe

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



47, 75.934, 10.673



54, 84.731, 11.136



76, 41.235, 207.870



43, 5.345, 349.173



37, 63.336, 9.752



6, 24.397, 0.125

Previews

White Background



This preview shows how the CIELCh color 47, 76.237, 10.508 looks on a white background.

Color Contrast Check

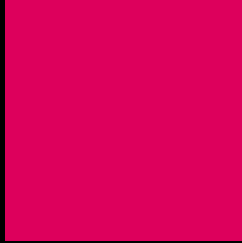
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.237, 10.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

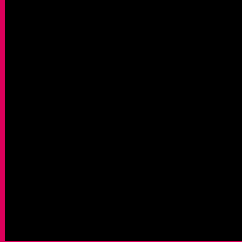
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 76.237, 10.508

Background



This preview shows how black text looks on a background with the CIELCh color 47, 76.237, 10.508.



This preview shows how white text looks on a background with the CIELCh color 47, 76.237, 10.508.

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, 76.005, 10.751

Protanopia

48, 12.445, 284.947

Deuteranopia

48, 19.501, 70.783



Tritanopia
48, 82.337, 35.729

Trichromacy



Original Color
47, 76.005, 10.751



Protanomaly
42, 40.380, 343.174



Deuteranomaly
43, 42.807, 13.931



Tritanomaly
47, 78.962, 27.234

Monochromacy



Original Color
47, 76.005, 10.751



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 38.007, 356.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 76.237, 10.508 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 76.237, 10.508 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, 92) }
```

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

```
.border{ border-color:rgb(221, 0, 92) }
```

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, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 76.237, 10.508 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, 92) }
```

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

```
.background{ background-color: rgb(221, 0,  
92) }
```

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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