

Converting Colors

CIELCh(47, 75.488, 3.258)

Have a look what the booklet for
CIELCh(47, 75.488, 3.258) contains.

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Color

CIELCh(47, 75.378, 3.634)

Conversions

Conversions Part 1

Format	Color
Hex	DB006B
RGB	219, 0, 107
RGB Percent	86%, 0%, 42%
CMY	0.1428, 1.0000, 0.5817
CMYK	0.00, 1.00, 0.51, 0.14
HSL	331°, 100%, 43%
HSV	331°, 100%, 86%
XYZ	31.7091, 16.0195, 15.2406
YIQ	77.6790, 96.1770, 79.7050

Conversions

Conversions Part 2

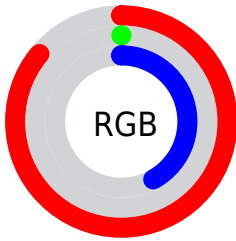
Format	Color
R_{YB}	219, 0, 107
Decimal	14352491
CIE _{Lab}	47.00, 75.23, 4.78
CIE _{LCh}	47, 75.378, 3.634
Yxy	16.0195, 0.5036, 0.2544
Android (android.graphics.Color)	4292542571 (0xFFDB006B)
YUV	77.6790, 14.4553, 123.9385
Hunter-Lab	40.0243, 71.3733, 5.4404

Details

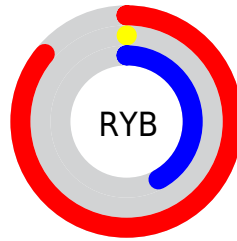
The CIELCh color **47, 75.378, 3.634** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **77, 78.727, 149.478**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.581, 358.121**, and **33, 59.144, 12.660** is the 20% darker color. If you saturate the color by 10%, you get **47, 75.265, 3.683**, and if you desaturate by 10%, it is **48, 73.852, 359.588**.

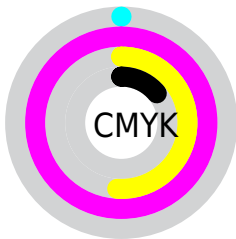
Distribution



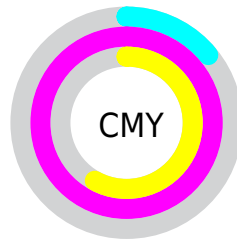
- Red (86%)
- Green (0%)
- Blue (42%)



- Red (86%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (14%)



- Cyan (14%)
- Magenta (100%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 75.378, 3.634 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, 75.378, 3.634 by changing the saturation by 10% instead.

 47, 75.378, 3.634  47, 75.378, 3.634

 100, 75.378, 3.634  37, 75.378, 3.634



 67, 75.378, 3.634  27, 75.378, 3.634


 77, 75.378, 3.634  17, 75.378, 3.634

 87, 75.378, 3.634  7, 75.378, 3.634

 97, 75.378, 3.634  0, 75.378, 3.634

 47, 75.378, 3.634  47, 75.378, 3.634

 47, 75.265, 3.683  48, 73.852,
359.588

 50, 70.703,
356.236

■ 53, 65.398,
353.593

■ 56, 58.190,
351.489

■ 60, 49.558,
349.781

■ 65, 40.020,
348.356

■ 70, 30.018,
347.137

■ 76, 19.882,
346.069

■ 81, 9.833, 345.105

Harmonies

Complementary

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



47, 75.378, 3.634



77, 78.727, 149.478

Rectangle

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



47, 75.378, 3.634



47, 75.378, 53.634



47, 75.378, 183.634



47, 75.378, 233.634

Sweetspot

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



47, 75.265, 3.683



81, 34.019, 347.167



35, 111.209, 311.772



40, 23.228, 347.666



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, 75.265, 3.683



55, 84.518, 4.115



46, 93.088, 40.000



43, 5.593, 345.052



37, 63.381, 2.916



6, 24.952, 355.366

Inverse Universe

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



47, 75.265, 3.683



55, 84.518, 4.115



79, 44.610, 196.386



43, 5.593, 345.052



37, 63.381, 2.916



6, 24.952, 355.366

Previews

White Background



This preview shows how the CIELCh color 47, 75.378, 3.634 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, 75.378, 3.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

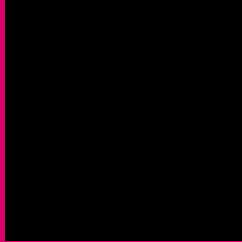
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 75.378, 3.634

Background



This preview shows how black text looks on a background with the CIELCh color 47, 75.378, 3.634.



This preview shows how white text looks on a background with the CIELCh color 47, 75.378, 3.634.

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, 75.378, 3.634

Protanopia

48, 24.927, 284.876

Deuteranopia

48, 11.253, 55.063



Tritanopia
48, 78.553, 34.199

Trichromacy



Original Color
47, 75.378, 3.634



Protanomaly
42, 46.531, 329.993



Deuteranomaly
43, 41.791, 0.811

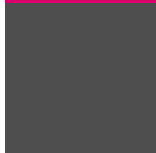


Tritanomaly
47, 75.434, 23.154

Monochromacy



Original Color
47, 75.378, 3.634



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 38.642, 351.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 75.378, 3.634 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(219, 0, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 107)  
}
```

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(219, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 75.378, 3.634 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(219, 0, 107) }
```

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

```
.border{ border-color:rgb(219, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 75.378, 3.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 107) }
```

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

```
.background{ background-color: rgb(219, 0,  
107) }
```

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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