

Converting Colors

CIELCh(47, 75.563, 2.521)

Have a look what the booklet for
CIELCh(47, 75.563, 2.521) contains.

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Color

CIELCh(47, 75.226, 2.517)

Conversions

Conversions Part 1

Format	Color
Hex	DA006D
RGB	218, 0, 109
RGB Percent	85%, 0%, 43%
CMY	0.1449, 0.9993, 0.5724
CMYK	0.00, 1.00, 0.50, 0.14
HSL	330°, 100%, 43%
HSV	330°, 100%, 86%
XYZ	31.6891, 16.0195, 15.8989
YIQ	77.6080, 94.9390, 80.1150

Conversions

Conversions Part 2

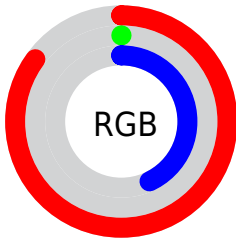
Format	Color
RYB	218, 0, 109
Decimal	14286957
CIELab	47.00, 75.15, 3.30
CIElCh	47, 75.226, 2.517
Yxy	16.0195, 0.4982, 0.2518
Android (android.graphics.Color)	4292477037 (0xFFDA006D)
YUV	77.6080, 15.4763, 123.1238
Hunter-Lab	40.0243, 71.2840, 4.4652

Details

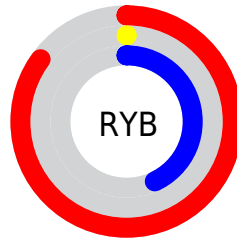
The CIELCh color **47, 75.226, 2.517** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **77, 79.493, 148.909**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.833, 357.226**, and **33, 58.701, 11.168** is the 20% darker color. If you saturate the color by 10%, you get **47, 75.233, 2.553**, and if you desaturate by 10%, it is **48, 73.906, 358.549**.

Distribution



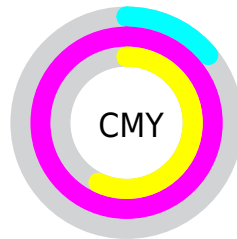
- Red (85%)
- Green (0%)
- Blue (43%)



- Red (85%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (14%)



- Cyan (14%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 75.226, 2.517 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, 75.226, 2.517 by changing the saturation by 10% instead.


 47, 75.226, 2.517  47, 75.226, 2.517


 100, 75.226, 2.517  37, 75.226, 2.517


 67, 75.226, 2.517  27, 75.226, 2.517


 77, 75.226, 2.517  17, 75.226, 2.517

 87, 75.226, 2.517  7, 75.226, 2.517

 97, 75.226, 2.517  0, 75.226, 2.517

 47, 75.226, 2.517  47, 75.226, 2.517

 47, 75.233, 2.553  48, 73.906,
358.549

 50, 70.806,
355.308

■ 53, 65.523,
352.749

■ 56, 58.318,
350.708

■ 60, 49.675,
349.045

■ 65, 40.114,
347.653

■ 70, 30.080,
346.459

■ 76, 19.903,
345.409

■ 81, 9.805, 344.459

Harmonies

Complementary

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



47, 75.226, 2.517



77, 79.493, 148.909

Rectangle

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



47, 75.226, 2.517



47, 75.226, 52.517



47, 75.226, 182.517



47, 75.226, 232.517

Sweetspot

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



47, 75.222, 2.518



81, 34.254, 346.498



35, 110.963, 311.779



40, 23.384, 346.988



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, 75.222, 2.518



55, 84.624, 2.979



46, 92.867, 39.979



43, 5.637, 344.414



37, 63.488, 1.816



6, 25.065, 354.551

Inverse Universe

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



47, 75.222, 2.518



55, 84.624, 2.979



79, 44.522, 196.387



43, 5.637, 344.414



37, 63.488, 1.816



6, 25.065, 354.551

Previews

White Background



This preview shows how the CIELCh color 47, 75.226, 2.517 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, 75.226, 2.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

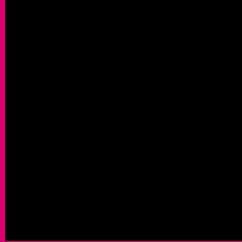
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 75.226, 2.517

Background



This preview shows how black text looks on a background with the CIELCh color 47, 75.226, 2.517.



This preview shows how white text looks on a background with the CIELCh color 47, 75.226, 2.517.

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, 75.226, 2.517

Protanopia

48, 27.271, 285.357

Deuteranopia

48, 10.174, 51.374



Tritanopia
47, 77.737, 33.990

Trichromacy



Original Color

47, 75.226, 2.517



Protanomaly

42, 47.689, 328.229



Deuteranomaly

42, 41.695, 358.888



Tritanomaly

47, 74.898, 22.598

Monochromacy



Original Color

47, 75.226, 2.517



Achromatopsia

33, 0.005, 296.813



Achromatomaly

33, 38.866, 350.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 75.226, 2.517 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(218, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 109)  
}
```

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(218, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 75.226, 2.517 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(218, 0, 109) }
```

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

```
.border{ border-color:rgb(218, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 75.226, 2.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 109) }
```

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

```
.background{ background-color: rgb(218, 0,  
109) }
```

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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