

Converting Colors

CIELCh(47, 78.611, 18.821)

Have a look what the booklet for
CIELCh(47, 78.611, 18.821) contains.

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Color

CIELCh(47, 78.404, 18.945)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DE004A |
| RGB | 222, 0, 74 |
| RGB Percent | 87%, 0%, 29% |
| CMY | 0.1282, 1.0000, 0.7117 |
| CMYK | 0.00, 1.00, 0.67, 0.13 |
| HSL | 340°, 100%, 44% |
| HSV | 340°, 100%, 87% |
| XYZ | 31.4166, 16.0195, 7.8290 |
| YIQ | 74.8140, 108.5580, 70.0780 |

Conversions

Conversions Part 2

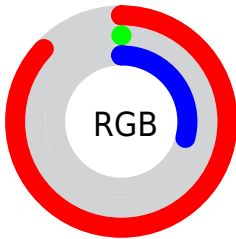
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 222, 0, 74 |
| Decimal | 14549066 |
| CIE _{Lab} | 47.00, 74.16, 25.45 |
| CIE _{LCh} | 47, 78.404, 18.945 |
| Yxy | 16.0195, 0.5685, 0.2899 |
| Android (android.graphics.Color) | 4292739146 (0xFFDE004A) |
| YUV | 74.8140, -0.4013, 129.0821 |
| Hunter-Lab | 40.0243, 70.0689, 16.4195 |

Details

The CIELCh color **47, 78.404, 18.945** 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 **79, 66.497, 159.212**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.564, 15.087**, and **33, 64.743, 29.022** is the 20% darker color. If you saturate the color by 10%, you get **47, 78.257, 19.043**, and if you desaturate by 10%, it is **48, 74.724, 13.724**.

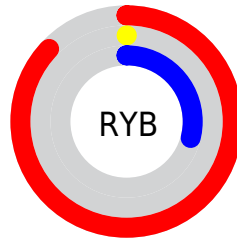
Distribution



Red (87%)

Green (0%)

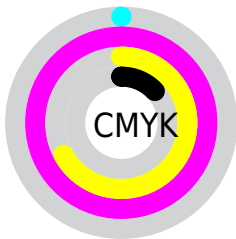
Blue (29%)



Red (87%)

Yellow (0%)

Blue (29%)

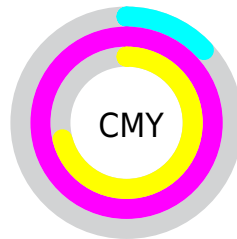


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 78.404, 18.945 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, 78.404, 18.945 by changing the saturation by 10% instead.

 47, 78.404, 18.945

 47, 78.404, 18.945

 100, 78.404,
18.945

 37, 78.404, 18.945

 67, 78.404, 18.945

 27, 78.404, 18.945

 77, 78.404, 18.945

 17, 78.404, 18.945

 87, 78.404, 18.945

 7, 78.404, 18.945

 97, 78.404, 18.945

 0, 78.404, 18.945

 47, 78.404, 18.945

 47, 78.404, 18.945

 47, 78.257, 19.043

 48, 74.724, 13.724

 50, 70.053, 9.192

■ 53, 63.768, 5.576

■ 56, 56.014, 2.729

■ 61, 47.189, 0.471

■ 66, 37.746,
358.650

■ 71, 28.075,
357.147

■ 77, 18.455,
355.876

■ 83, 9.066, 354.763

Harmonies

Complementary

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



47, 78.404, 18.945



79, 66.497, 159.212

Rectangle

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



47, 78.404, 18.945



47, 78.404, 68.945



47, 78.404, 198.945



47, 78.404, 248.945

Sweetspot

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



47, 78.257, 19.043



81, 31.388, 357.179



41, 108.731, 316.211



40, 21.507, 357.787



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, 78.257, 19.043



54, 86.994, 19.523



48, 90.974, 42.313



44, 5.182, 354.705



37, 65.438, 18.073



6, 25.426, 5.993

Inverse Universe

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



47, 78.257, 19.043



54, 86.994, 19.523



70, 39.261, 228.718



44, 5.182, 354.705



37, 65.438, 18.073



6, 25.426, 5.993

Previews

White Background



This preview shows how the CIELCh color 47, 78.404, 18.945 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, 78.404, 18.945 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, 78.404, 18.945

Background



This preview shows how black text looks on a background with the CIELCh color 47, 78.404, 18.945.

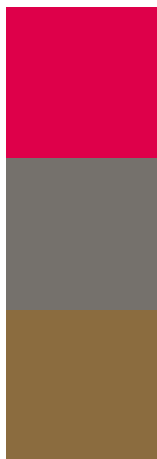


This preview shows how white text looks on a background with the CIELCh color 47, 78.404, 18.945.

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, 78.085, 18.788

Protanopia

48, 3.363, 80.204

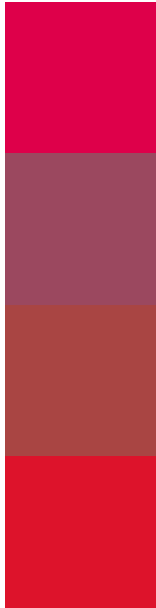
Deuteranopia

48, 30.412, 77.552



Tritanopia
47, 86.323, 37.318

Trichromacy



Original Color
47, 78.085, 18.788

Protanomaly
42, 37.208, 4.898

Deuteranomaly
43, 46.612, 28.410

Tritanomaly
47, 83.017, 31.537

Monochromacy



Original Color
47, 78.085, 18.788

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 37.531, 3.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 78.404, 18.945 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(222, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 74)  
}
```

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(222, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 78.404, 18.945 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(222, 0, 74) }
```

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

```
.border{ border-color:rgb(222, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 78.404, 18.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 74) }
```

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

```
.background{ background-color: rgb(222, 0,  
74) }
```

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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