

Converting Colors

$Yxy(16.7680, 0.4907, 0.2477)$

Have a look what the booklet for
Yxy(16.7680, 0.4907, 0.2477)
contains.

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Color

Yxy(16.7674, 0.4907, 0.2477)

Conversions

Conversions Part 1

Format	Color
Hex	DE0073
RGB	222, 0, 115
RGB Percent	87%, 0%, 45%
CMY	0.1295, 0.9995, 0.5490
CMYK	0.00, 1.00, 0.48, 0.13
HSL	329°, 100%, 44%
HSV	329°, 100%, 87%
XYZ	33.2166, 16.7674, 17.7083
YIQ	79.4880, 95.3970, 82.8290

Conversions

Conversions Part 2

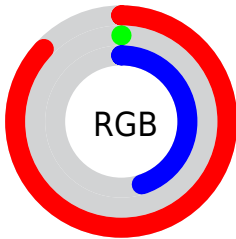
Format	Color
R_{YB}	222, 0, 115
Decimal	14549107
CIE _{Lab}	47.97, 76.48, 1.12
CIE _{LCh}	48, 76.483, 0.836
Yxy	16.7674, 0.4907, 0.2477
Android (android.graphics.Color)	4292739187 (0xFFDE0073)
YUV	79.4880, 17.5074, 124.9830
Hunter-Lab	40.9480, 73.1385, 3.0231

Details

The Yxy color **16.7674, 0.4907, 0.2477** 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 **53.3009, 0.2746, 0.5087**, and the grayscale version is **7.8829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7043, 0.4208, 0.2563**, and **7.8788, 0.5275, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **16.7645, 0.4908, 0.2477**, and if you desaturate by 10%, it is **17.6128, 0.4679, 0.2412**.

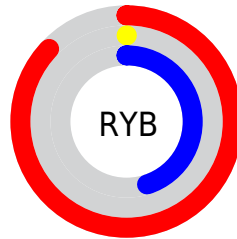
Distribution



Red (87%)

Green (0%)

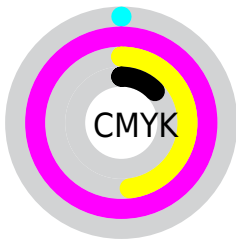
Blue (45%)



Red (87%)

Yellow (0%)

Blue (45%)

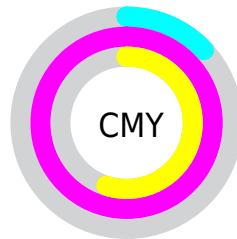


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7674, 0.4907, 0.2477 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 Yxy color 16.7674, 0.4907, 0.2477 by changing the saturation by 10% instead.


 16.7674, 0.4907,
0.2477


 16.7674, 0.4907,
0.2477


233.8284, 0.3885,
0.2947


 10.0688, 0.5210,
0.2336


 37.9254, 0.4501,
0.2664


 5.4446, 0.5628,
0.2142

 53.1536, 0.4359,
0.2730

 2.5104, 0.6232,
0.1858

 71.9938, 0.4243,
0.2783

 0.8818, 0.7147,
0.1426

 94.8304, 0.4147,
0.2827

 0.0000, 1.0000,
0.0000

 122.0477, 0.4066,
0.2864

 0.0000, 0.0000,
0.0000

 154.0303, 0.3997,

0.2896

191.1623, 0.3937,
0.2923

■ 16.7674, 0.4907,
0.2477

■ 16.7674, 0.4907,
0.2477

■ 16.7645, 0.4908,
0.2477

■ 17.6128, 0.4679,
0.2412

■ 19.1573, 0.4442,
0.2396

■ 21.6186, 0.4207,
0.2433

■ 25.1207, 0.3985,
0.2513

■ 29.7680, 0.3783,
0.2623

■ 35.6522, 0.3606,
0.2752

■ 42.8554, 0.3453,
0.2889

■ 51.4529, 0.3324,
0.3028

■ 61.5139, 0.3216,
0.3163

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.7674, 0.3356, 0.1842



16.7674, 0.4907, 0.2477



16.7674, 0.5828, 0.3230

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.7674, 0.4907, 0.2477



16.7674, 0.3588, 0.5981



16.7674, 0.1004, 0.1634

Complementary

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



16.7674, 0.4907, 0.2477



53.3009, 0.2746, 0.5087

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.7674, 0.1017, 0.2420



16.7674, 0.4907, 0.2477



16.7674, 0.2391, 0.5782

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.7674, 0.4907, 0.2477



16.7674, 0.4779, 0.5089



16.7674, 0.1446, 0.4031



16.7674, 0.1327, 0.1379

Rectangle

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



16.7674, 0.4907, 0.2477



16.7674, 0.5821, 0.3773



16.7674, 0.1446, 0.4031



16.7674, 0.0971, 0.1821

Sweetspot

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



16.7684, 0.4907, 0.2477



58.3681, 0.3457, 0.2885



8.1985, 0.1949, 0.0847



11.5525, 0.3519, 0.2827



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.7684, 0.4907, 0.2477



22.9272, 0.4924, 0.2486



15.5468, 0.6372, 0.3284



13.8185, 0.3211, 0.3169



9.9816, 0.4877, 0.2460



0.7099, 0.4550, 0.2280

Inverse Universe

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



16.7684, 0.4907, 0.2477



22.9272, 0.4924, 0.2486



57.1227, 0.2275, 0.3391



13.8185, 0.3211, 0.3169



9.9816, 0.4877, 0.2460



0.7099, 0.4550, 0.2280

Previews

White Background



This preview shows how the Yxy color 16.7674, 0.4907, 0.2477 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 Yxy color 16.7674, 0.4907, 0.2477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

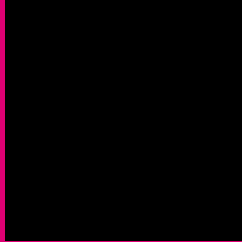
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7674, 0.4907, 0.2477

Background



This preview shows how black text looks on a background with the Yxy color 16.7674, 0.4907, 0.2477.



This preview shows how white text looks on a background with the Yxy color 16.7674, 0.4907, 0.2477.

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

16.7674, 0.4907, 0.2477

Protanopia

17.4405, 0.2439, 0.2358

Deuteranopia

17.4542, 0.3463, 0.3404



Tritanopia

17.2113, 0.5880, 0.3298

Trichromacy



Original Color

16.7674, 0.4907, 0.2477



Protanomaly

12.8010, 0.3139, 0.2098



Deuteranomaly

13.5031, 0.4079, 0.2710



Tritanomaly

16.5493, 0.5637, 0.3000

Monochromacy



Original Color

16.7674, 0.4907, 0.2477



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.0635, 0.3963, 0.2521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7674, 0.4907, 0.2477 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 115) }
```

Border

The CSS property to change the border of an element to Yxy 16.7674, 0.4907, 0.2477 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, 115) }
```

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

```
.border{ border-color:rgb(222, 0, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7674, 0.4907, 0.2477 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, 115) }
```

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

```
.background{ background-color: rgb(222, 0,  
115) }
```

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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