

Converting Colors

$Y_{xy}(13.2470, 0.4837, 0.2155)$

Have a look what the booklet for
Yxy(13.2470, 0.4837, 0.2155)
contains.

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Color

Yxy(15.4780, 0.4729, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	D50077
RGB	213, 0, 119
RGB Percent	84%, 0%, 47%
CMY	0.1648, 0.9995, 0.5334
CMYK	0.00, 1.00, 0.44, 0.16
HSL	326°, 100%, 42%
HSV	326°, 100%, 84%
XYZ	30.7673, 15.4780, 18.8156
YIQ	77.2530, 88.7490, 82.1650

Conversions

Conversions Part 2

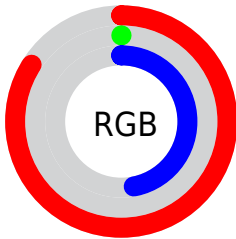
Format	Color
R_{YB}	213, 0, 119
Decimal	13959287
CIE _{Lab}	46.28, 74.85, -4.02
CIE _{LCh}	46, 74.961, 356.929
Yxy	15.4780, 0.4729, 0.2379
Android (android.graphics.Color)	4292149367 (0xFFD50077)
YUV	77.2530, 20.5813, 119.0501
Hunter-Lab	39.3421, 70.7466, -0.8164

Details

The Yxy color **15.4780, 0.4729, 0.2379** 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 **48.3938, 0.2782, 0.5214**, and the grayscale version is **7.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5126, 0.4159, 0.2509**, and **7.1303, 0.5065, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.4746, 0.4730, 0.2379**, and if you desaturate by 10%, it is **16.2656, 0.4524, 0.2326**.

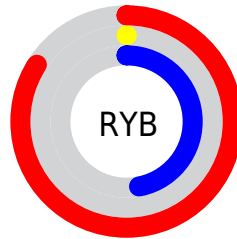
Distribution



Red (84%)

Green (0%)

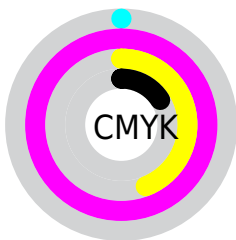
Blue (47%)



Red (84%)

Yellow (0%)

Blue (47%)

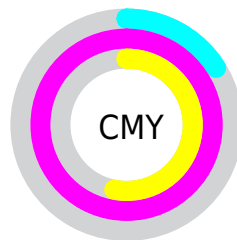


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4780, 0.4729, 0.2379 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 15.4780, 0.4729, 0.2379 by changing the saturation by 10% instead.


 15.4780, 0.4729,
0.2379


 15.4780, 0.4729,
0.2379


226.2415, 0.3805,
0.2895


 9.1555, 0.5007,
0.2228


 35.6896, 0.4360,
0.2583


 4.8428, 0.5394,
0.2021


 50.3475, 0.4232,
0.2654


 2.1553, 0.5962,
0.1724

 68.5527, 0.4127,
0.2713

 0.6955, 0.6862,
0.1257

 90.6895, 0.4041,
0.2761

 0.0000, 1.0000,
0.0000

 117.1424, 0.3968,
0.2803

 0.0000, 0.0000,
0.0000

 148.2958, 0.3906,

0.2838

184.5340, 0.3852,
0.2869

■ 15.4780, 0.4729,
0.2379

■ 15.4780, 0.4729,
0.2379

■ 15.4746, 0.4730,
0.2379

■ 16.2656, 0.4524,
0.2326

■ 17.6818, 0.4313,
0.2321

■ 19.9275, 0.4104,
0.2367

■ 23.1142, 0.3906,
0.2456

■ 27.3359, 0.3725,
0.2575

■ 32.6751, 0.3565,
0.2713

■ 39.2058, 0.3426,
0.2860

■ 46.9959, 0.3308,
0.3009

■ 56.1078, 0.3209,
0.3153

Harmonies

Analogous

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



15.4780, 0.3159, 0.1769



15.4780, 0.4729, 0.2379



15.4780, 0.5787, 0.3125

Triad

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



15.4780, 0.4729, 0.2379



15.4780, 0.3744, 0.5910



15.4780, 0.0979, 0.1691

Complementary

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



15.4780, 0.4729, 0.2379



48.3938, 0.2782, 0.5214

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.



15.4780, 0.1036, 0.2574



15.4780, 0.4729, 0.2379



15.4780, 0.2535, 0.5933

Square

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



15.4780, 0.4729, 0.2379



15.4780, 0.4929, 0.4960



15.4780, 0.1532, 0.4296



15.4780, 0.1256, 0.1383

Rectangle

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



15.4780, 0.4729, 0.2379



15.4780, 0.5872, 0.3659



15.4780, 0.1532, 0.4296



15.4780, 0.0959, 0.1904

Sweetspot

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



15.4789, 0.4729, 0.2379



58.5322, 0.3431, 0.2855



7.1008, 0.1892, 0.0816



11.5913, 0.3488, 0.2792



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.



15.4789, 0.4729, 0.2379



23.2248, 0.4749, 0.2390



14.1798, 0.6339, 0.3266



12.5358, 0.3205, 0.3161



9.4746, 0.4702, 0.2364



0.5880, 0.4375, 0.2184

Inverse Universe

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



15.4789, 0.4729, 0.2379



23.2248, 0.4749, 0.2390



51.6975, 0.2305, 0.3496



12.5358, 0.3205, 0.3161



9.4746, 0.4702, 0.2364



0.5880, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 15.4780, 0.4729, 0.2379 looks on a white background.

Color Contrast Check

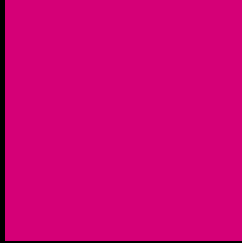
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4780, 0.4729, 0.2379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

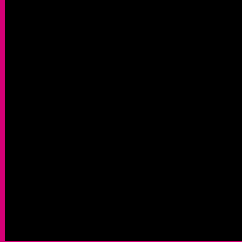
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4780, 0.4729, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 15.4780, 0.4729, 0.2379.



This preview shows how white text looks on a background with the Yxy color 15.4780, 0.4729, 0.2379.

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

15.4780, 0.4729, 0.2379

Protanopia

16.2658, 0.2311, 0.2193

Deuteranopia

16.0619, 0.3309, 0.3252



Tritanopia

15.8017, 0.5798, 0.3290

Trichromacy



Original Color

15.4780, 0.4729, 0.2379



Protanomaly

11.7982, 0.2941, 0.1944



Deuteranomaly

12.5164, 0.3890, 0.2587



Tritanomaly

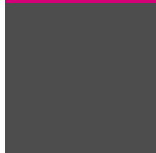
15.1246, 0.5511, 0.2948

Monochromacy



Original Color

15.4780, 0.4729, 0.2379



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.4050, 0.3881, 0.2470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4780, 0.4729, 0.2379 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(213, 0, 119)` looks like.

```
.text, #text, p{  
  color:rgb(213, 0, 119)  
}
```

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(213, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 119) }
```

Border

The CSS property to change the border of an element to Yxy 15.4780, 0.4729, 0.2379 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(213, 0, 119) }
```

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

```
.border{ border-color:rgb(213, 0, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4780, 0.4729, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 119) }
```

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

```
.background{ background-color: rgb(213, 0,  
119) }
```

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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