

Converting Colors

$Yxy(13.8117, 0.4816, 0.2170)$

Have a look what the booklet for
Yxy(13.8117, 0.4816, 0.2170)
contains.

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Color

Yxy(15.9794, 0.4724, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	D80079
RGB	216, 0, 121
RGB Percent	85%, 0%, 47%
CMY	0.1529, 0.9999, 0.5254
CMYK	0.00, 1.00, 0.44, 0.15
HSL	326°, 100%, 42%
HSV	326°, 100%, 85%
XYZ	31.7705, 15.9794, 19.5035
YIQ	78.3780, 89.8950, 83.4230

Conversions

Conversions Part 2

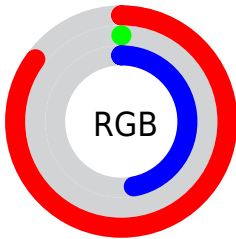
Format	Color
R_{YB}	216, 0, 121
Decimal	14155897
CIE _{Lab}	46.95, 75.68, -4.21
CIE _{LCh}	47, 75.794, 356.815
Yxy	15.9794, 0.4724, 0.2376
Android (android.graphics.Color)	4292345977 (0xFFD80079)
YUV	78.3780, 21.0126, 120.6945
Hunter-Lab	39.9742, 71.9122, -0.9457

Details

The Yxy color **15.9794, 0.4724, 0.2376** 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 **49.9378, 0.2784, 0.5222**, and the grayscale version is **7.6450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7593, 0.4130, 0.2497**, and **7.4496, 0.5052, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **15.9791, 0.4724, 0.2376**, and if you desaturate by 10%, it is **16.7843, 0.4520, 0.2323**.

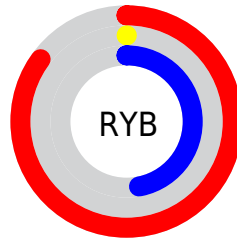
Distribution



Red (85%)

Green (0%)

Blue (47%)



Red (85%)

Yellow (0%)

Blue (47%)

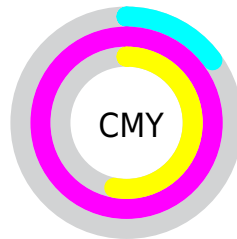


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9794, 0.4724, 0.2376 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 15.9794, 0.4724, 0.2376 by changing the saturation by 10% instead.


 15.9794, 0.4724,
0.2376


 15.9794, 0.4724,
0.2376


229.2201, 0.3807,
0.2891


 9.5096, 0.4997,
0.2227


 36.5624, 0.4359,
0.2578


 5.0750, 0.5377,
0.2023


 51.4444, 0.4232,
0.2650


 2.2914, 0.5930,
0.1732


 69.8993, 0.4128,
0.2708

 0.7691, 0.6792,
0.1291

 92.3114, 0.4042,
0.2757

 0.0000, 1.0000,
0.0000

 119.0651, 0.3970,
0.2798

 0.0000, 0.0000,
0.0000

 150.5449, 0.3908,

0.2834

187.1351, 0.3854,
0.2864

■ 15.9794, 0.4724,
0.2376

■ 15.9794, 0.4724,
0.2376

■ 15.9791, 0.4724,
0.2376

■ 16.7843, 0.4520,
0.2323

■ 18.2376, 0.4310,
0.2317

■ 20.5470, 0.4102,
0.2363

■ 23.8279, 0.3904,
0.2452

■ 28.1779, 0.3724,
0.2572

■ 33.6823, 0.3564,
0.2710

■ 40.4179, 0.3426,
0.2858

■ 48.4548, 0.3308,
0.3007

■ 57.8578, 0.3209,
0.3152

Harmonies

Analogous

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



15.9794, 0.3154, 0.1767



15.9794, 0.4724, 0.2376



15.9794, 0.5786, 0.3122

Triad

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



15.9794, 0.4724, 0.2376



15.9794, 0.3749, 0.5908



15.9794, 0.0978, 0.1692

Complementary

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



15.9794, 0.4724, 0.2376



49.9378, 0.2784, 0.5222

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.



15.9794, 0.1037, 0.2578



15.9794, 0.4724, 0.2376



15.9794, 0.2539, 0.5937

Square

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



15.9794, 0.4724, 0.2376



15.9794, 0.4932, 0.4954



15.9794, 0.1534, 0.4304



15.9794, 0.1254, 0.1383

Rectangle

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



15.9794, 0.4724, 0.2376



15.9794, 0.5873, 0.3656



15.9794, 0.1534, 0.4304



15.9794, 0.0959, 0.1906

Sweetspot

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



15.9803, 0.4724, 0.2376



58.5395, 0.3430, 0.2854



7.3183, 0.1891, 0.0815



11.5931, 0.3486, 0.2790



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.



15.9803, 0.4724, 0.2376



23.2385, 0.4742, 0.2386



14.6324, 0.6341, 0.3267



12.5361, 0.3204, 0.3160



9.4802, 0.4695, 0.2360



0.5883, 0.4369, 0.2180

Inverse Universe

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



15.9803, 0.4724, 0.2376



23.2385, 0.4742, 0.2386



53.3566, 0.2305, 0.3496



12.5361, 0.3204, 0.3160



9.4802, 0.4695, 0.2360



0.5883, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 15.9794, 0.4724, 0.2376 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 15.9794, 0.4724, 0.2376 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 15.9794, 0.4724, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 15.9794, 0.4724, 0.2376.



This preview shows how white text looks on a background with the Yxy color 15.9794, 0.4724, 0.2376.

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

15.9794, 0.4724, 0.2376

Protanopia

16.6490, 0.2302, 0.2173

Deuteranopia

16.6817, 0.3306, 0.3252



Tritanopia

16.3327, 0.5795, 0.3290

Trichromacy



Original Color

15.9794, 0.4724, 0.2376



Protanomaly

12.1073, 0.2917, 0.1928



Deuteranomaly

12.8872, 0.3880, 0.2580



Tritanomaly

15.6341, 0.5513, 0.2952

Monochromacy



Original Color

15.9794, 0.4724, 0.2376



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.6786, 0.3869, 0.2463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9794, 0.4724, 0.2376 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(216, 0, 121)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 121)  
}
```

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(216, 0, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 121) }
```

Border

The CSS property to change the border of an element to Yxy 15.9794, 0.4724, 0.2376 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(216, 0, 121) }
```

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

```
.border{ border-color:rgb(216, 0, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 0, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9794, 0.4724, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 121) }
```

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

```
.background{ background-color: rgb(216, 0,  
121) }
```

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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