

Converting Colors

$Y_{xy}(19.8746, 0.4785, 0.2804)$

Have a look what the booklet for
Yxy(19.8746, 0.4785, 0.2804)
contains.

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Color

Yxy(19.8746, 0.4785, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	DB406F
RGB	219, 64, 111
RGB Percent	86%, 25%, 44%
CMY	0.1412, 0.7490, 0.5647
CMYK	0.00, 0.71, 0.49, 0.14
HSL	342°, 68%, 55%
HSV	342°, 71%, 86%
XYZ	33.9158, 19.8746, 17.0890
YIQ	115.7030, 77.2930, 47.4770

Conversions

Conversions Part 2

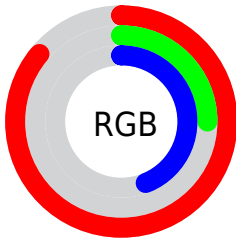
Format	Color
R_{YB}	219, 64, 111
Decimal	14368879
CIE _{Lab}	51.70, 62.85, 8.83
CIE _{LCh}	52, 63.471, 8.000
Yxy	19.8746, 0.4785, 0.2804
Android (android.graphics.Color)	4292558959 (0xFFDB406F)
YUV	115.7030, -2.3186, 90.5915
Hunter-Lab	44.5809, 57.7807, 8.4793

Details

The Yxy color **19.8746, 0.4785, 0.2804** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **54.7309, 0.2540, 0.3984**, and the grayscale version is **17.3609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7877, 0.4174, 0.2882**, and **7.6393, 0.5329, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **17.5635, 0.5151, 0.2814**, and if you desaturate by 10%, it is **23.2145, 0.4433, 0.2834**.

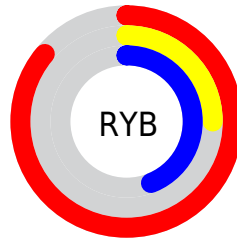
Distribution



Red (86%)

Green (25%)

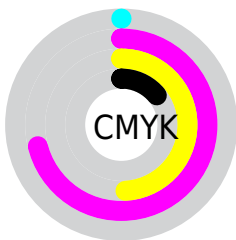
Blue (44%)



Red (86%)

Yellow (25%)

Blue (44%)

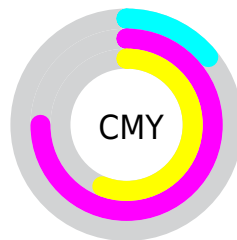


Cyan (0%)

Magenta (71%)

Yellow (49%)

Black (14%)



Cyan (14%)


Magenta (75%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8746, 0.4785, 0.2804 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 19.8746, 0.4785, 0.2804 by changing the saturation by 10% instead.


 19.8746, 0.4785,
0.2804


 19.8746, 0.4785,
0.2804


251.2354, 0.3842,
0.3100


 12.3039, 0.5061,
0.2708


 43.2068, 0.4413,
0.2927


 6.9510, 0.5439,
0.2571


 59.7372, 0.4282,
0.2968


 3.4315, 0.5983,
0.2360

 80.0229, 0.4175,
0.3001

 1.3609, 0.6812,
0.2015

 104.4483, 0.4086,
0.3028

 0.1877, 0.9160,
0.0840

 133.3979, 0.4011,
0.3051

 0.0000, 1.0000,
0.0000

167.2560, 0.3947,

 0.0000, 0.0000,

0.3070

0.0000

206.4071, 0.3891,
0.3086

■ 19.8746, 0.4785,
0.2804

■ 19.8746, 0.4785,
0.2804

■ 17.5635, 0.5151,
0.2814

■ 23.2145, 0.4433,
0.2834

■ 16.1540, 0.5498,
0.2871

■ 27.6840, 0.4115,
0.2891


■ 15.4578, 0.5779,
0.2957


■ 33.3754, 0.3840,
0.2965

■ 40.3705, 0.3609,
0.3046

■ 48.7442, 0.3419,
0.3129

 58.5654, 0.3263,
0.3209

 69.8985, 0.3136,
0.3284

 82.8040, 0.3033,
0.3354

 93.3782, 0.2947,
0.3357

Harmonies

Analogous

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



19.8746, 0.3626, 0.2199



19.8746, 0.4785, 0.2804



19.8746, 0.5364, 0.3511

Triad

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



19.8746, 0.4785, 0.2804



19.8746, 0.3391, 0.5492



19.8746, 0.1353, 0.1837

Complementary

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



19.8746, 0.4785, 0.2804



54.7309, 0.2540, 0.3984

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.



19.8746, 0.1309, 0.2421



19.8746, 0.4785, 0.2804



19.8746, 0.2378, 0.4918

Square

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



19.8746, 0.4785, 0.2804



19.8746, 0.4391, 0.5067



19.8746, 0.1631, 0.3553



19.8746, 0.1731, 0.1665

Rectangle

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



19.8746, 0.4785, 0.2804



19.8746, 0.5298, 0.4018



19.8746, 0.1631, 0.3553



19.8746, 0.1302, 0.1978

Sweetspot

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



19.8757, 0.4785, 0.2804



68.2890, 0.3426, 0.3126



17.3196, 0.2660, 0.1478



13.8739, 0.3475, 0.3103



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.



19.8757, 0.4785, 0.2804



23.6612, 0.5327, 0.2837



23.1584, 0.5256, 0.3580



13.1162, 0.3244, 0.3219



9.1831, 0.5740, 0.2936



0.6100, 0.5272, 0.2678

Inverse Universe

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



19.8757, 0.4785, 0.2804



23.6612, 0.5327, 0.2837



43.2850, 0.2224, 0.2879



13.1162, 0.3244, 0.3219



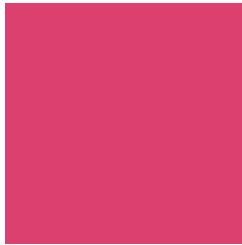
9.1831, 0.5740, 0.2936



0.6100, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 19.8746, 0.4785, 0.2804 looks on a white background.

Color Contrast Check

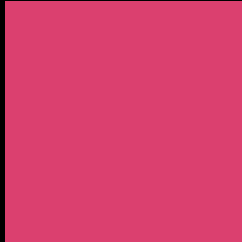
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.8746, 0.4785, 0.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

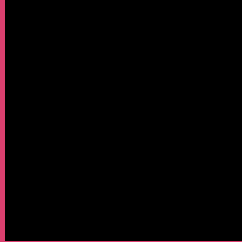
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8746, 0.4785, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 19.8746, 0.4785, 0.2804.



This preview shows how white text looks on a background with the Yxy color 19.8746, 0.4785, 0.2804.

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

19.8746, 0.4785, 0.2804

Protanopia

20.1422, 0.2878, 0.2929

Deuteranopia

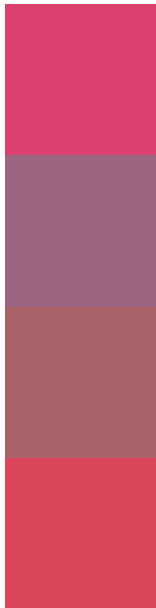
20.0126, 0.3638, 0.3573



Tritanopia

19.9082, 0.5274, 0.3257

Trichromacy



Original Color

19.8746, 0.4785, 0.2804

Protanomaly

18.2094, 0.3494, 0.2820

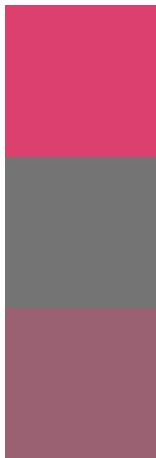
Deuteranomaly

18.6222, 0.4082, 0.3186

Tritanomaly

19.8829, 0.5109, 0.3093

Monochromacy



Original Color

19.8746, 0.4785, 0.2804

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.5366, 0.3717, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8746, 0.4785, 0.2804 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(219, 64, 111)` looks like.

```
.text, #text, p{  
  color:rgb(219, 64, 111)  
}
```

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(219, 64, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 64, 111) }
```

Border

The CSS property to change the border of an element to Yxy 19.8746, 0.4785, 0.2804 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(219, 64, 111) }
```

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

```
.border{ border-color:rgb(219, 64, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 64, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 64, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 64, 111);  
box-shadow:4px 4px 4px 4px rgb(219, 64,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8746, 0.4785, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 64, 111) }
```

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

```
.background{ background-color: rgb(219, 64,  
111) }
```

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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