

Converting Colors

$Yxy(19.6620, 0.4772, 0.2403)$

Have a look what the booklet for
Yxy(19.6620, 0.4772, 0.2403)
contains.

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Color

Yxy(19.6432, 0.4766, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	ED0083
RGB	237, 0, 131
RGB Percent	93%, 0%, 51%
CMY	0.0706, 1.0000, 0.4862
CMYK	0.00, 1.00, 0.45, 0.07
HSL	327°, 100%, 46%
HSV	327°, 100%, 93%
XYZ	39.0244, 19.6432, 23.2132
YIQ	85.7970, 99.2010, 90.9850

Conversions

Conversions Part 2

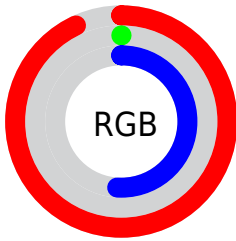
Format	Color
R_{YB}	237, 0, 131
Decimal	15532163
CIE Lab	51.43, 80.97, -3.22
CIE LCh	51, 81.034, 357.725
Yxy	19.6432, 0.4766, 0.2399
Android (android.graphics.Color)	4293722243 (0xFFED0083)
YUV	85.7970, 22.2851, 132.6050
Hunter-Lab	44.3206, 79.6083, -0.0290

Details

The Yxy color **19.6432, 0.4766, 0.2399** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **61.6127, 0.2780, 0.5209**, and the grayscale version is **9.1977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0864, 0.3975, 0.2432**, and **9.7232, 0.5084, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **19.6448, 0.4766, 0.2399**, and if you desaturate by 10%, it is **20.5881, 0.4557, 0.2340**.

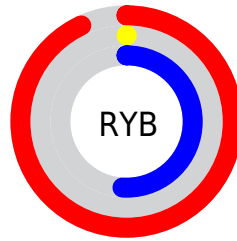
Distribution



Red (93%)

Green (0%)

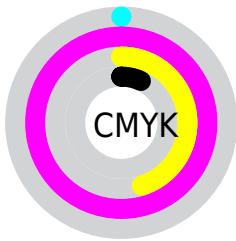
Blue (51%)



Red (93%)

Yellow (0%)

Blue (51%)

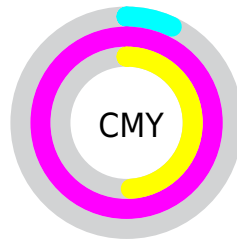


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6432, 0.4766, 0.2399 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 19.6432, 0.4766, 0.2399 by changing the saturation by 10% instead.


 19.6432, 0.4766,
0.2399

 19.6432, 0.4766,
0.2399


249.9770, 0.3851,
0.2889


 12.1360, 0.5026,
0.2262


 42.8182, 0.4410,
0.2588

 6.8363, 0.5378,
0.2080


 59.2547, 0.4284,
0.2656

 3.3600, 0.5876,
0.1825

 79.4364, 0.4179,
0.2712

 1.3224, 0.6615,
0.1455

 103.7477, 0.4092,
0.2759

 0.1585, 0.8388,
0.0460

 132.5730, 0.4018,
0.2799

 0.0000, 1.0000,
0.0000

 166.2968, 0.3955,

 0.0000, 0.0000,

0.2833

0.0000

205.3033, 0.3900,
0.2863

■ 19.6432, 0.4766,
0.2399

■ 19.6432, 0.4766,
0.2399

■ 19.6448, 0.4766,
0.2399

■ 20.5881, 0.4557,
0.2340

■ 22.3450, 0.4342,
0.2330

■ 25.1628, 0.4128,
0.2373

■ 29.1877, 0.3925,
0.2459

■ 34.5426, 0.3739,
0.2577

■ 41.3350, 0.3575,
0.2714

■ 49.6614, 0.3433,
0.2861

■ 59.6099, 0.3312,
0.3009

■ 71.2617, 0.3211,
0.3153

Harmonies

Analogous

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



19.6432, 0.3199, 0.1784



19.6432, 0.4766, 0.2399



19.6432, 0.5796, 0.3147

Triad

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



19.6432, 0.4766, 0.2399



19.6432, 0.3712, 0.5925



19.6432, 0.0984, 0.1679

Complementary

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



19.6432, 0.4766, 0.2399



61.6127, 0.2780, 0.5209

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.



19.6432, 0.1032, 0.2541



19.6432, 0.4766, 0.2399



19.6432, 0.2505, 0.5904

Square

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



19.6432, 0.4766, 0.2399



19.6432, 0.4888, 0.4976



19.6432, 0.1514, 0.4241



19.6432, 0.1271, 0.1382

Rectangle

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



19.6432, 0.4766, 0.2399



19.6432, 0.5862, 0.3683



19.6432, 0.1514, 0.4241



19.6432, 0.0961, 0.1886

Sweetspot

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



19.6448, 0.4766, 0.2399



58.5093, 0.3434, 0.2859



8.9808, 0.1885, 0.0812



11.5859, 0.3492, 0.2797



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.



19.6448, 0.4766, 0.2399



23.1820, 0.4773, 0.2403



18.0425, 0.6346, 0.3270



15.1934, 0.3206, 0.3161



10.7515, 0.4734, 0.2381



0.8636, 0.4464, 0.2233

Inverse Universe

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



19.6448, 0.4766, 0.2399



23.1820, 0.4773, 0.2403



65.8037, 0.2305, 0.3498



15.1934, 0.3206, 0.3161



10.7515, 0.4734, 0.2381



0.8636, 0.4464, 0.2233

Previews

White Background



This preview shows how the Yxy color 19.6432, 0.4766, 0.2399 looks on a white background.

Color Contrast Check

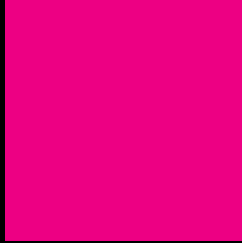
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6432, 0.4766, 0.2399 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 19.6432, 0.4766, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 19.6432, 0.4766, 0.2399.



This preview shows how white text looks on a background with the Yxy color 19.6432, 0.4766, 0.2399.

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

19.6432, 0.4766, 0.2399

Protanopia

20.3599, 0.2318, 0.2194

Deuteranopia

20.1318, 0.3330, 0.3273



Tritanopia

20.0367, 0.5827, 0.3291

Trichromacy



Original Color

19.6432, 0.4766, 0.2399



Protanomaly

14.7600, 0.2949, 0.1946



Deuteranomaly

15.5338, 0.3906, 0.2580



Tritanomaly

19.1742, 0.5556, 0.2962

Monochromacy



Original Color

19.6432, 0.4766, 0.2399



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.3544, 0.3912, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6432, 0.4766, 0.2399 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(237, 0, 131)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 131)  
}
```

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(237, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 131) }
```

Border

The CSS property to change the border of an element to Yxy 19.6432, 0.4766, 0.2399 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(237, 0, 131) }
```

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

```
.border{ border-color:rgb(237, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6432, 0.4766, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 131) }
```

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

```
.background{ background-color: rgb(237, 0,  
131) }
```

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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