

Converting Colors

Yxy(20.4281, 0.4908, 0.2478)

Have a look what the booklet for
Yxy(20.4281, 0.4908, 0.2478)
contains.

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Color

Yxy(20.3836, 0.4906, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	F2007E
RGB	242, 0, 126
RGB Percent	95%, 0%, 49%
CMY	0.0509, 1.0000, 0.5058
CMYK	0.00, 1.00, 0.48, 0.05
HSL	329°, 100%, 47%
HSV	329°, 100%, 95%
XYZ	40.3885, 20.3836, 21.5526
YIQ	86.7220, 103.7860, 90.4900

Conversions

Conversions Part 2

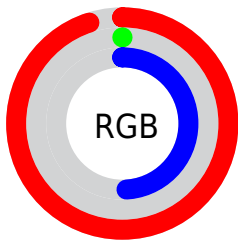
Format	Color
R_{YB}	242, 0, 126
Decimal	15859838
CIE _{Lab}	52.27, 81.64, 1.15
CIE _{LCh}	52, 81.652, 0.804
Yxy	20.3836, 0.4906, 0.2476
Android (android.graphics.Color)	4294049918 (0xFF2007E)
YUV	86.7220, 19.3641, 136.1788
Hunter-Lab	45.1482, 80.6725, 3.3002

Details

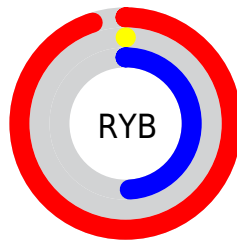
The Yxy color **20.3836, 0.4906, 0.2476** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **64.7727, 0.2752, 0.5106**, and the grayscale version is **9.4104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0237, 0.4049, 0.2497**, and **10.1195, 0.5248, 0.2665** is the 20% darker color. If you saturate the color by 10%, you get **20.3866, 0.4906, 0.2476**, and if you desaturate by 10%, it is **21.3652, 0.4679, 0.2408**.

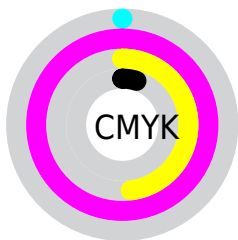
Distribution



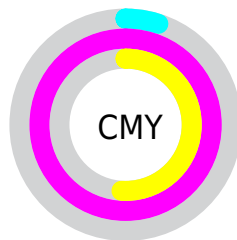
- Red (95%)
- Green (0%)
- Blue (49%)



- Red (95%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3836, 0.4906, 0.2476 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 20.3836, 0.4906, 0.2476 by changing the saturation by 10% instead.


 20.3836, 0.4906,
0.2476


 20.3836, 0.4906,
0.2476


253.9843, 0.3913,
0.2933


 12.6742, 0.5187,
0.2346


 44.0594, 0.4520,
0.2654

 7.2046, 0.5566,
0.2169


 60.7946, 0.4383,
0.2718


 3.5904, 0.6097,
0.1920


 81.3071, 0.4270,
0.2770

 1.4472, 0.6873,
0.1553

 105.9814, 0.4175,
0.2813

 0.2511, 0.8759,
0.0701

 135.2019, 0.4095,
0.2850

 0.0000, 1.0000,
0.0000

 169.3529, 0.4026,

 0.0000, 0.0000,

0.2882

0.0000

208.8189, 0.3966,
0.2909

■ 20.3836, 0.4906,
0.2476

■ 20.3836, 0.4906,
0.2476

■ 20.3866, 0.4906,
0.2476

■ 21.3652, 0.4679,
0.2408

■ 23.2036, 0.4444,
0.2390

■ 26.1597, 0.4209,
0.2426

■ 30.3877, 0.3987,
0.2505

■ 36.0174, 0.3785,
0.2616

■ 43.1621, 0.3607,
0.2746

■ 51.9236, 0.3454,
0.2884

■ 62.3947, 0.3325,
0.3024

■ 74.6613, 0.3217,
0.3161

Harmonies

Analogous

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



20.3836, 0.3354, 0.1841



20.3836, 0.4906, 0.2476



20.3836, 0.5828, 0.3229

Triad

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



20.3836, 0.4906, 0.2476



20.3836, 0.3589, 0.5981



20.3836, 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.



20.3836, 0.4906, 0.2476



64.7727, 0.2752, 0.5106

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.



20.3836, 0.1017, 0.2421



20.3836, 0.4906, 0.2476



20.3836, 0.2392, 0.5784

Square

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



20.3836, 0.4906, 0.2476



20.3836, 0.4772, 0.5080



20.3836, 0.1446, 0.4033



20.3836, 0.1326, 0.1379

Rectangle

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



20.3836, 0.4906, 0.2476



20.3836, 0.5822, 0.3772



20.3836, 0.1446, 0.4033



20.3836, 0.0971, 0.1821

Sweetspot

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



20.3866, 0.4906, 0.2476



58.3797, 0.3455, 0.2883



9.9183, 0.1943, 0.0844



11.5552, 0.3517, 0.2824



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.



20.3866, 0.4906, 0.2476



22.9476, 0.4912, 0.2479



18.8972, 0.6376, 0.3286



15.8963, 0.3212, 0.3168



10.9783, 0.4871, 0.2457



0.9334, 0.4592, 0.2303

Inverse Universe

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



20.3866, 0.4906, 0.2476



22.9476, 0.4912, 0.2479



69.4495, 0.2275, 0.3391



15.8963, 0.3212, 0.3168



10.9783, 0.4871, 0.2457



0.9334, 0.4592, 0.2303

Previews

White Background



This preview shows how the Yxy color 20.3836, 0.4906, 0.2476 looks on a white background.

Color Contrast Check

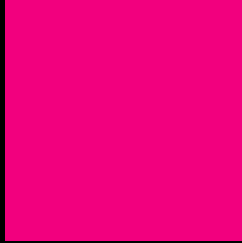
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3836, 0.4906, 0.2476 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 20.3836, 0.4906, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 20.3836, 0.4906, 0.2476.



This preview shows how white text looks on a background with the Yxy color 20.3836, 0.4906, 0.2476.

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

20.3836, 0.4906, 0.2476

Protanopia

20.9808, 0.2427, 0.2332

Deuteranopia

20.9308, 0.3450, 0.3396



Tritanopia

20.6886, 0.5895, 0.3298

Trichromacy



Original Color

20.3836, 0.4906, 0.2476



Protanomaly

15.3687, 0.3116, 0.2062



Deuteranomaly

16.2698, 0.4054, 0.2695



Tritanomaly

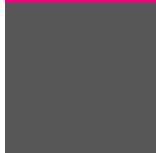
19.9338, 0.5637, 0.2997

Monochromacy



Original Color

20.3836, 0.4906, 0.2476



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5116, 0.3968, 0.2509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3836, 0.4906, 0.2476 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(242, 0, 126)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 126)  
}
```

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(242, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.3836, 0.4906, 0.2476 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(242, 0, 126) }
```

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

```
.border{ border-color:rgb(242, 0, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3836, 0.4906, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 126) }
```

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

```
.background{ background-color: rgb(242, 0,  
126) }
```

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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