

Converting Colors

$Y_{xy}(25.2050, 0.4898, 0.2663)$

Have a look what the booklet for
Yxy(25.2050, 0.4898, 0.2663)
contains.

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Color

Yxy(25.2126, 0.4894, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	FF3381
RGB	255, 51, 129
RGB Percent	100%, 20%, 51%
CMY	0.0000, 0.8000, 0.4942
CMYK	0.00, 0.80, 0.49, 0.00
HSL	337°, 100%, 60%
HSV	337°, 80%, 100%
XYZ	46.3874, 25.2126, 23.1842
YIQ	120.8880, 96.5460, 67.5060

Conversions

Conversions Part 2

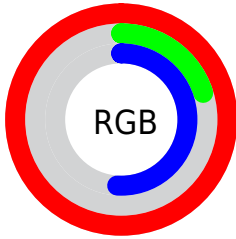
Format	Color
R_{YB}	255, 51, 129
Decimal	16724865
CIE _{Lab}	57.28, 77.79, 6.92
CIE _{LCh}	57, 78.099, 5.083
Yxy	25.2126, 0.4894, 0.2660
Android (android.graphics.Color)	4294914945 (0xFFFF3381)
YUV	120.8880, 3.9992, 117.6162
Hunter-Lab	50.2121, 77.0320, 7.7728

Details

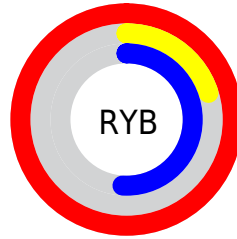
The Yxy color **25.2126, 0.4894, 0.2660** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **75.3992, 0.2586, 0.4327**, and the grayscale version is **19.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3946, 0.2642**, and **11.7857, 0.5316, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **23.1745, 0.5211, 0.2708**, and if you desaturate by 10%, it is **28.5350, 0.4571, 0.2664**.

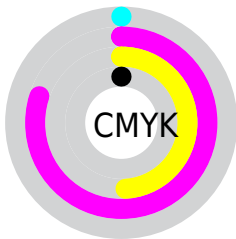
Distribution



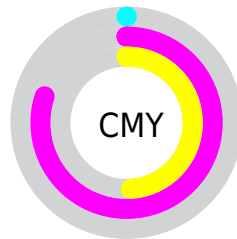
- Red (100%)
- Green (20%)
- Blue (51%)



- Red (100%)
- Yellow (20%)
- Blue (51%)



- Cyan (0%)
- Magenta (80%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2126, 0.4894, 0.2660 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 25.2126, 0.4894, 0.2660 by changing the saturation by 10% instead.


 25.2126, 0.4894,
0.2660


 25.2126, 0.4894,
0.2660


278.8951, 0.3930,
0.3019


 16.2355, 0.5157,
0.2556


 52.0019, 0.4526,
0.2801


 9.6910, 0.5507,
0.2415


 70.5829, 0.4393,
0.2851


 5.1945, 0.5986,
0.2214

 93.1341, 0.4283,
0.2892

 2.3619, 0.6670,
0.1913

 120.0397, 0.4190,
0.2926

 0.8062, 0.7818,
0.1466

 151.6842, 0.4110,
0.2955

 0.0000, 1.0000,
0.0000

188.4520, 0.4042,

 0.0000, 0.0000,

0.2979

0.0000

230.7275, 0.3982,
0.3000

■ 25.2126, 0.4894,
0.2660

■ 25.2126, 0.4894,
0.2660

■ 23.1745, 0.5211,
0.2708

■ 28.5350, 0.4571,
0.2664

■ 22.1321, 0.5499,
0.2803

■ 33.3191, 0.4264,
0.2712


■ 22.1319, 0.5499,
0.2803

■ 39.7139, 0.3987,
0.2790

■ 47.8499, 0.3748,
0.2886

■ 57.8440, 0.3546,
0.2989

 69.8032, 0.3378,
0.3093

 83.8258, 0.3240,
0.3195

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.2126, 0.3542, 0.2031



25.2126, 0.4894, 0.2660



25.2126, 0.5612, 0.3397

Triad

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



25.2126, 0.4894, 0.2660



25.2126, 0.3466, 0.5775



25.2126, 0.1174, 0.1718

Complementary

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



25.2126, 0.4894, 0.2660



75.3992, 0.2586, 0.4327

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.



25.2126, 0.1151, 0.2385



25.2126, 0.4894, 0.2660



25.2126, 0.2355, 0.5307

Square

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



25.2126, 0.4894, 0.2660



25.2126, 0.4558, 0.5125



25.2126, 0.1516, 0.3725



25.2126, 0.1535, 0.1514

Rectangle

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



25.2126, 0.4894, 0.2660



25.2126, 0.5557, 0.3930



25.2126, 0.1516, 0.3725



25.2126, 0.1129, 0.1877

Sweetspot

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



25.2127, 0.4894, 0.2660



64.7744, 0.3441, 0.3052



18.9121, 0.2447, 0.1240



12.9646, 0.3502, 0.3015



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.



25.2127, 0.4894, 0.2660



22.4763, 0.5387, 0.2762



26.5048, 0.5777, 0.3453



18.1020, 0.3234, 0.3199



11.5912, 0.5456, 0.2779



1.1491, 0.5149, 0.2610

Inverse Universe

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



25.2127, 0.4894, 0.2660



22.4763, 0.5387, 0.2762



65.1882, 0.2205, 0.2992



18.1020, 0.3234, 0.3199



11.5912, 0.5456, 0.2779



1.1491, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 25.2126, 0.4894, 0.2660 looks on a white background.

Color Contrast Check

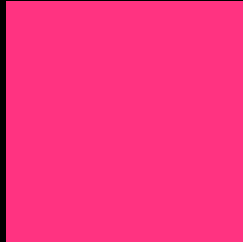
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2126, 0.4894, 0.2660 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 25.2126, 0.4894, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 25.2126, 0.4894, 0.2660.



This preview shows how white text looks on a background with the Yxy color 25.2126, 0.4894, 0.2660.

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

25.2126, 0.4894, 0.2660

Protanopia

25.3321, 0.2675, 0.2653

Deuteranopia

25.3761, 0.3577, 0.3515



Tritanopia

25.2719, 0.5627, 0.3283

Trichromacy



Original Color

25.2126, 0.4894, 0.2660



Protanomaly

21.6050, 0.3352, 0.2517



Deuteranomaly

22.4680, 0.4091, 0.3022



Tritanomaly

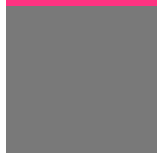
25.0832, 0.5406, 0.3073

Monochromacy



Original Color

25.2126, 0.4894, 0.2660



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.3670, 0.3807, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2126, 0.4894, 0.2660 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(255, 51, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 129)  
}
```

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(255, 51, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 129) }
```

Border

The CSS property to change the border of an element to Yxy 25.2126, 0.4894, 0.2660 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(255, 51, 129) }
```

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

```
.border{ border-color:rgb(255, 51, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2126, 0.4894, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 129) }
```

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

```
.background{ background-color: rgb(255, 51,  
129) }
```

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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