

Converting Colors

$Y_{xy}(46.9885, 0.4800, 0.2710)$

Have a look what the booklet for
Yxy(46.9885, 0.4800, 0.2710)
contains.

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Color

Yxy(30.8559, 0.4169, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	FF56AB
RGB	255, 86, 171
RGB Percent	100%, 34%, 67%
CMY	0.0001, 0.6626, 0.3294
CMYK	0.00, 0.66, 0.33, 0.00
HSL	330°, 100%, 67%
HSV	330°, 66%, 100%
XYZ	51.9121, 30.8559, 41.7513
YIQ	146.2210, 73.4390, 62.2630

Conversions

Conversions Part 2

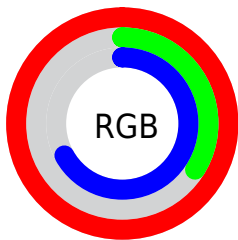
Format	Color
R _Y B	255, 86, 171
Decimal	16733867
CIE Lab	62.39, 70.84, -10.15
CIE LCh	62, 71.562, 351.844
Yxy	30.8559, 0.4169, 0.2478
Android (android.graphics.Color)	4294923947 (0xFFFF56AB)
YUV	146.2210, 12.2160, 95.3992
Hunter-Lab	55.5481, 69.6069, -5.6802

Details

The Yxy color **30.8559, 0.4169, 0.2478** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.3867, 0.2700, 0.4402**, and the grayscale version is **28.7726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0018, 0.3432, 0.2478**, and **12.8012, 0.4491, 0.2248** is the 20% darker color. If you saturate the color by 10%, you get **27.0241, 0.4412, 0.2430**, and if you desaturate by 10%, it is **36.1888, 0.3942, 0.2566**.

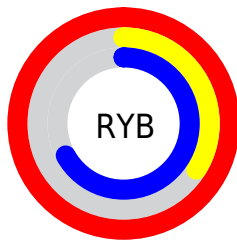
Distribution



Red (100%)

Green (34%)

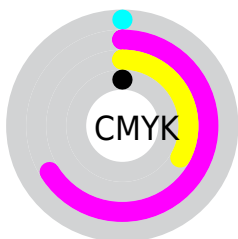
Blue (67%)



Red (100%)

Yellow (34%)

Blue (67%)

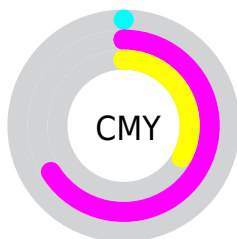


Cyan (0%)

Magenta (66%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8559, 0.4169, 0.2478 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 30.8559, 0.4169, 0.2478 by changing the saturation by 10% instead.


 30.8559, 0.4169,
0.2478

 30.8559, 0.4169,
0.2478


305.8739, 0.3628,
0.2887


 20.4891, 0.4309,
0.2376


 61.0131, 0.3968,
0.2627

 12.7511, 0.4492,
0.2246


 81.5724, 0.3894,
0.2683

 7.2574, 0.4739,
0.2074


 106.2979, 0.3832,
0.2730

 3.6236, 0.5090,
0.1838

 135.5742, 0.3779,
0.2770

 1.4653, 0.5619,
0.1502

169.7855, 0.3734,
0.2805

 0.2641, 0.6708,
0.0689

209.3163, 0.3694,

 0.0000, 1.0000,

0.2836

0.0000

254.5510, 0.3659,
0.2863

0.0000, 0.0000,
0.0000

30.8559, 0.4169,
0.2478

30.8559, 0.4169,
0.2478

27.0241, 0.4412,
0.2430

36.1888, 0.3942,
0.2566

24.5247, 0.4661,
0.2432

43.1577, 0.3740,
0.2682


23.1556, 0.4901,
0.2490

51.8882, 0.3563,
0.2812

22.8202, 0.4988,
0.2522

62.4917, 0.3413,
0.2948

75.0708, 0.3288,
0.3083

 89.7203, 0.3183,
0.3212

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



30.8559, 0.2985, 0.1979



30.8559, 0.4169, 0.2478



30.8559, 0.5101, 0.3133

Triad

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



30.8559, 0.4169, 0.2478



30.8559, 0.3939, 0.5302



30.8559, 0.1323, 0.2120

Complementary

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



30.8559, 0.4169, 0.2478



76.3867, 0.2700, 0.4402

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.



30.8559, 0.1467, 0.2976



30.8559, 0.4169, 0.2478



30.8559, 0.2924, 0.5314

Square

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



30.8559, 0.4169, 0.2478



30.8559, 0.4818, 0.4638



30.8559, 0.2013, 0.4291



30.8559, 0.1516, 0.1747

Rectangle

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



30.8559, 0.4169, 0.2478



30.8559, 0.5326, 0.3611



30.8559, 0.2013, 0.4291



30.8559, 0.1331, 0.2344

Sweetspot

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



30.8575, 0.4169, 0.2478



70.1393, 0.3332, 0.3033



22.1711, 0.2393, 0.1416



14.2578, 0.3367, 0.2995



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.



30.8575, 0.4169, 0.2478



25.9476, 0.4505, 0.2424



28.6358, 0.5298, 0.3273



18.1395, 0.3215, 0.3171



11.9569, 0.4952, 0.2501



1.1863, 0.4699, 0.2362

Inverse Universe

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



30.8575, 0.4169, 0.2478



25.9476, 0.4505, 0.2424



80.5226, 0.2359, 0.3321



18.1395, 0.3215, 0.3171



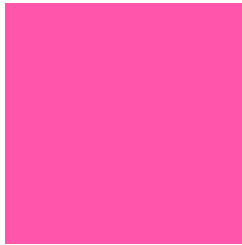
11.9569, 0.4952, 0.2501



1.1863, 0.4699, 0.2362

Previews

White Background



This preview shows how the Yxy color 30.8559, 0.4169, 0.2478 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.8559, 0.4169, 0.2478 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 ✓ Pass

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

Yxy 30.8559, 0.4169, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 30.8559, 0.4169, 0.2478.



This preview shows how white text looks on a background with the Yxy color 30.8559, 0.4169, 0.2478.

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

30.8559, 0.4169, 0.2478

Protanopia

31.1752, 0.2455, 0.2373

Deuteranopia

31.0531, 0.3127, 0.3068



Tritanopia

30.7141, 0.4917, 0.3228

Trichromacy



Original Color

30.8559, 0.4169, 0.2478



Protanomaly

28.2290, 0.2944, 0.2337



Deuteranomaly

28.9859, 0.3493, 0.2764



Tritanomaly

30.6999, 0.4658, 0.2953

Monochromacy



Original Color

30.8559, 0.4169, 0.2478



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2210, 0.3509, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8559, 0.4169, 0.2478 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, 86, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 171)  
}
```

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, 86, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.8559, 0.4169, 0.2478 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, 86, 171) }
```

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

```
.border{ border-color:rgb(255, 86, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8559, 0.4169, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 171) }
```

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

```
.background{ background-color: rgb(255, 86,  
171) }
```

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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