

Converting Colors

$Y_{xy}(30.8585, 0.4142, 0.2454)$

Have a look what the booklet for
Yxy(30.8585, 0.4142, 0.2454)
contains.

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Color

Yxy(30.9327, 0.4142, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	FF56AD
RGB	255, 86, 173
RGB Percent	100%, 34%, 68%
CMY	0.0001, 0.6626, 0.3216
CMYK	0.00, 0.66, 0.32, 0.00
HSL	329°, 100%, 67%
HSV	329°, 66%, 100%
XYZ	52.1038, 30.9327, 42.7573
YIQ	146.4490, 72.7970, 62.8850

Conversions

Conversions Part 2

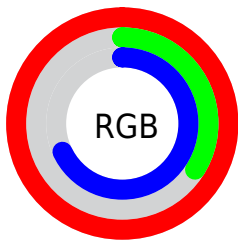
Format	Color
R _Y B	255, 86, 173
Decimal	16733869
CIE Lab	62.45, 71.06, -11.20
CIE LCh	62, 71.938, 351.045
Yxy	30.9327, 0.4142, 0.2459
Android (android.graphics.Color)	4294923949 (0xFFFF56AD)
YUV	146.4490, 13.0896, 95.1992
Hunter-Lab	55.6172, 69.8940, -6.6489

Details

The Yxy color **30.9327, 0.4142, 0.2459** 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 **76.3132, 0.2708, 0.4429**, and the grayscale version is **28.8673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1122, 0.3413, 0.2460**, and **12.8498, 0.4449, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **27.1042, 0.4378, 0.2408**, and if you desaturate by 10%, it is **36.2603, 0.3922, 0.2550**.

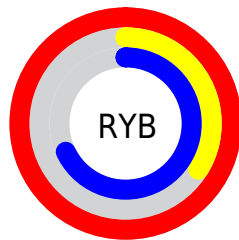
Distribution



Red (100%)

Green (34%)

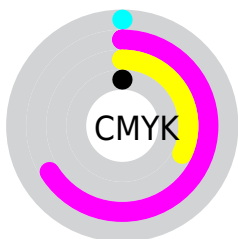
Blue (68%)



Red (100%)

Yellow (34%)

Blue (68%)

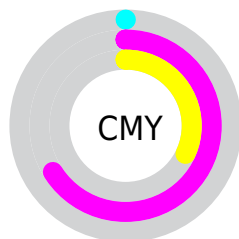


Cyan (0%)

Magenta (66%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (66%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9327, 0.4142, 0.2459 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 30.9327, 0.4142, 0.2459 by changing the saturation by 10% instead.

 30.9327, 0.4142,
0.2459


 30.9327, 0.4142,
0.2459


306.2282, 0.3617,
0.2876


 20.5476, 0.4278,
0.2356


 61.1341, 0.3947,
0.2610


 12.7937, 0.4454,
0.2224


 81.7192, 0.3876,
0.2667

 7.2867, 0.4693,
0.2051


 106.4731, 0.3815,
0.2715

 3.6420, 0.5030,
0.1814

 135.7801, 0.3764,
0.2756

 1.4754, 0.5538,
0.1479

170.0248, 0.3719,
0.2792

 0.2713, 0.6572,
0.0687

209.5914, 0.3681,

 0.0000, 1.0000,

0.2824

0.0000

254.8644, 0.3647,
0.2851

■ 0.0000, 0.0000,
0.0000

■ 30.9327, 0.4142,
0.2459

■ 30.9327, 0.4142,
0.2459

■ 27.1042, 0.4378,
0.2408

■ 36.2603, 0.3922,
0.2550

■ 24.6062, 0.4619,
0.2408

■ 43.2220, 0.3725,
0.2668


■ 23.2368, 0.4852,
0.2463

■ 51.9430, 0.3553,
0.2801

■ 22.9009, 0.4938,
0.2494

■ 62.5348, 0.3407,
0.2940

■ 75.0999, 0.3284,
0.3078

 89.7331, 0.3182,
0.3211

99.9955, 0.3127,
0.3290

Harmonies

Analogous

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



30.9327, 0.2955, 0.1964



30.9327, 0.4142, 0.2459



30.9327, 0.5093, 0.3112

Triad

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



30.9327, 0.4142, 0.2459



30.9327, 0.3967, 0.5297



30.9327, 0.1316, 0.2131

Complementary

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



30.9327, 0.4142, 0.2459



76.3132, 0.2708, 0.4429

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.



30.9327, 0.1470, 0.3004



30.9327, 0.4142, 0.2459



30.9327, 0.2949, 0.5337

Square

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



30.9327, 0.4142, 0.2459



30.9327, 0.4842, 0.4620



30.9327, 0.2029, 0.4332



30.9327, 0.1501, 0.1747

Rectangle

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



30.9327, 0.4142, 0.2459



30.9327, 0.5332, 0.3590



30.9327, 0.2029, 0.4332



30.9327, 0.1328, 0.2360

Sweetspot

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



30.9343, 0.4142, 0.2459



70.1730, 0.3328, 0.3027



22.1714, 0.2393, 0.1416



14.2658, 0.3362, 0.2988



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.



30.9343, 0.4142, 0.2459



26.0281, 0.4468, 0.2402



28.6362, 0.5298, 0.3273



18.1432, 0.3213, 0.3168



11.9990, 0.4902, 0.2474



1.1904, 0.4656, 0.2338

Inverse Universe

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



30.9343, 0.4142, 0.2459



26.0281, 0.4468, 0.2402



80.5238, 0.2359, 0.3321



18.1432, 0.3213, 0.3168



11.9990, 0.4902, 0.2474



1.1904, 0.4656, 0.2338

Previews

White Background



This preview shows how the Yxy color 30.9327, 0.4142, 0.2459 looks on a white background.

Color Contrast Check

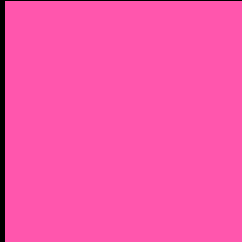
Large Text (above 18pt) WCAG AA × Fail

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 30.9327, 0.4142, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

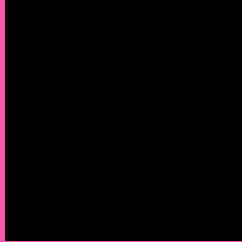
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9327, 0.4142, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 30.9327, 0.4142, 0.2459.



This preview shows how white text looks on a background with the Yxy color 30.9327, 0.4142, 0.2459.

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

30.9327, 0.4142, 0.2459

Protanopia

31.1986, 0.2435, 0.2349

Deuteranopia

31.0214, 0.3098, 0.3038



Tritanopia

30.9094, 0.4910, 0.3237

Trichromacy



Original Color

30.9327, 0.4142, 0.2459



Protanomaly

28.2058, 0.2916, 0.2312



Deuteranomaly

29.0594, 0.3470, 0.2739



Tritanomaly

30.7271, 0.4644, 0.2943

Monochromacy



Original Color

30.9327, 0.4142, 0.2459



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2547, 0.3498, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9327, 0.4142, 0.2459 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 173) }
```

Border

The CSS property to change the border of an element to Yxy 30.9327, 0.4142, 0.2459 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, 173) }
```

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

```
.border{ border-color:rgb(255, 86, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9327, 0.4142, 0.2459 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, 173) }
```

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

```
.background{ background-color: rgb(255, 86,  
173) }
```

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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