

Converting Colors

$Y_{xy}(47.1287, 0.3544, 0.2615)$

Have a look what the booklet for
Yxy(47.1287, 0.3544, 0.2615)
contains.

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Color

Yxy(46.9825, 0.3543, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	FF93D6
RGB	255, 147, 214
RGB Percent	100%, 58%, 84%
CMY	0.0000, 0.4236, 0.1607
CMYK	0.00, 0.42, 0.16, 0.00
HSL	323°, 100%, 79%
HSV	323°, 42%, 100%
XYZ	63.8263, 46.9825, 69.3388
YIQ	186.9300, 42.8610, 43.7330

Conversions

Conversions Part 2

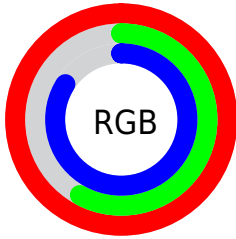
Format	Color
R _Y B	255, 147, 214
Decimal	16749526
CIE Lab	74.18, 49.15, -16.59
CIE LCh	74, 51.872, 341.349
Yxy	46.9825, 0.3543, 0.2608
Android (android.graphics.Color)	4294939606 (0xFFFF93D6)
YUV	186.9300, 13.3455, 59.6974
Hunter-Lab	68.5438, 46.2632, -11.9971

Details

The Yxy color **46.9825, 0.3543, 0.2608** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.3494, 0.2865, 0.4099**, and the grayscale version is **49.5497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **22.0677, 0.3646, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **39.4270, 0.3684, 0.2459**, and if you desaturate by 10%, it is **56.3114, 0.3418, 0.2770**.

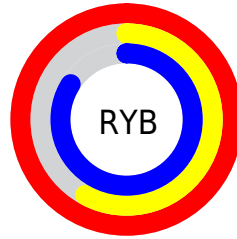
Distribution



Red (100%)

Green (58%)

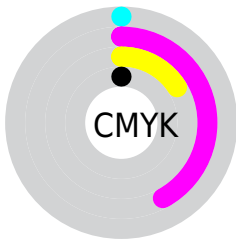
Blue (84%)



Red (100%)

Yellow (58%)

Blue (84%)

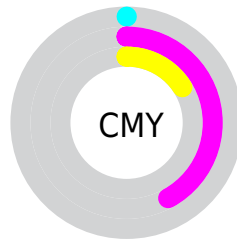


Cyan (0%)

Magenta (42%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9825, 0.3543, 0.2608 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 46.9825, 0.3543, 0.2608 by changing the saturation by 10% instead.


 46.9825, 0.3543,
0.2608


 46.9825, 0.3543,
0.2608


374.7447, 0.3345,
0.2928

 33.0218, 0.3589,
0.2534


 85.6875, 0.3473,
0.2720

 22.1432, 0.3647,
0.2443


 111.2006, 0.3447,
0.2763

 13.9621, 0.3721,
0.2326


141.3333, 0.3424,
0.2800

 8.0943, 0.3819,
0.2174

176.4700, 0.3404,
0.2832

 4.1554, 0.3955,
0.1967

216.9951, 0.3387,
0.2861

 1.7608, 0.4155,
0.1671

263.2930, 0.3371,

 0.4626, 0.4538,

0.2886

0.1095

315.7480, 0.3358,
0.2908

0.0000, 0.5618,
0.0000

0.0000, 0.0000,
0.0000

46.9825, 0.3543,
0.2608

46.9825, 0.3543,
0.2608

39.4270, 0.3684,
0.2459

56.3114, 0.3418,
0.2770

33.5468, 0.3841,
0.2333

67.5409, 0.3311,
0.2935

29.2030, 0.4010,
0.2243

80.7629, 0.3220,
0.3098

26.2432, 0.4185,
0.2199

96.0693, 0.3143,
0.3254

■ 24.4828, 0.4358,
0.2207

100.0000, 0.3127,
0.3290

■ 23.7381, 0.4487,
0.2245

Harmonies

Analogous

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



46.9825, 0.2813, 0.2297



46.9825, 0.3543, 0.2608



46.9825, 0.4213, 0.3065

Triad

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



46.9825, 0.3543, 0.2608



46.9825, 0.3972, 0.4526



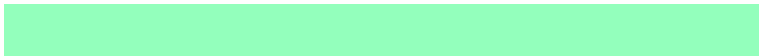
46.9825, 0.1886, 0.2724

Complementary

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



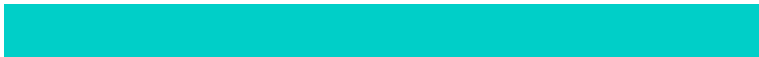
46.9825, 0.3543, 0.2608



81.3494, 0.2865, 0.4099

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.



46.9825, 0.2121, 0.3399



46.9825, 0.3543, 0.2608



46.9825, 0.3307, 0.4589

Square

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



46.9825, 0.3543, 0.2608



46.9825, 0.4442, 0.4123



46.9825, 0.2629, 0.4150



46.9825, 0.1932, 0.2317

Rectangle

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



46.9825, 0.3543, 0.2608



46.9825, 0.4487, 0.3415



46.9825, 0.2629, 0.4150



46.9825, 0.1933, 0.2923

Sweetspot

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



46.9758, 0.3543, 0.2608



79.8593, 0.3225, 0.3088



38.5919, 0.2614, 0.2064



16.4371, 0.3244, 0.3052



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.



46.9758, 0.3543, 0.2608



40.3548, 0.3664, 0.2478



44.7061, 0.4085, 0.3142



18.1767, 0.3197, 0.3143



12.4337, 0.4460, 0.2230



1.2319, 0.4278, 0.2130

Inverse Universe

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



46.9758, 0.3543, 0.2608



40.3548, 0.3664, 0.2478



84.0475, 0.2613, 0.3453



18.1767, 0.3197, 0.3143



12.4337, 0.4460, 0.2230



1.2319, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 46.9825, 0.3543, 0.2608 looks on a white background.

Color Contrast Check

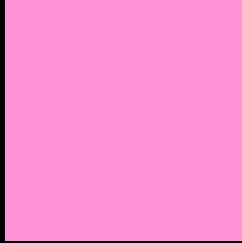
Large Text (above 18pt) WCAG AA × Fail

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 46.9825, 0.3543, 0.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

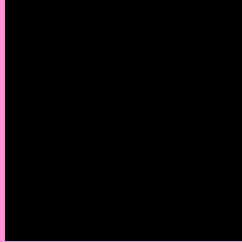
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9825, 0.3543, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 46.9825, 0.3543, 0.2608.

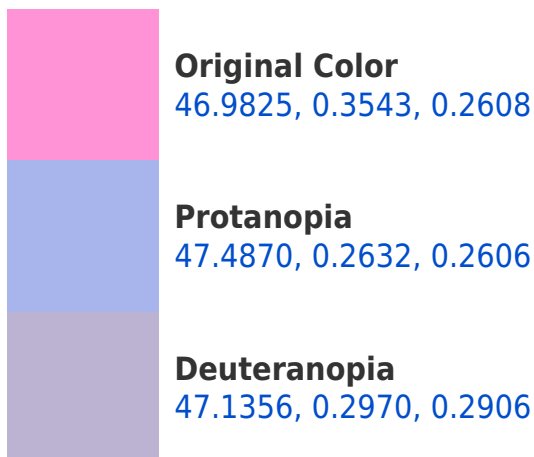


This preview shows how white text looks on a background with the Yxy color 46.9825, 0.3543, 0.2608.

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

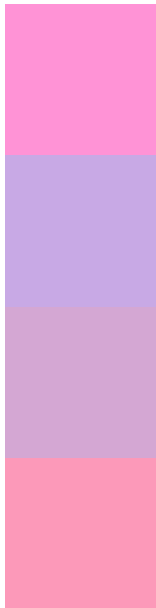




Tritanopia

46.9281, 0.3936, 0.3164

Trichromacy



Original Color

46.9825, 0.3543, 0.2608

Protanomaly

46.3124, 0.2917, 0.2590

Deuteranomaly

46.3376, 0.3160, 0.2777

Tritanomaly

46.9807, 0.3791, 0.2954

Monochromacy



Original Color

46.9825, 0.3543, 0.2608

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

47.5333, 0.3274, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9825, 0.3543, 0.2608 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, 147, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 214)  
}
```

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, 147, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.9825, 0.3543, 0.2608 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, 147, 214) }
```

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

```
.border{ border-color:rgb(255, 147, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9825, 0.3543, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 214) }
```

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

```
.background{ background-color: rgb(255,  
147, 214) }
```

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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