

Converting Colors

$Y_{xy}(71.2625, 0.4279, 0.2670)$

Have a look what the booklet for
Yxy(71.2625, 0.4279, 0.2670)
contains.

Yxy(45.6176, 0.3418, 0.2413)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6176, 0.3418, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CE4
RGB	255, 140, 228
RGB Percent	100%, 55%, 89%
CMY	0.0001, 0.4509, 0.1058
CMYK	0.00, 0.45, 0.11, 0.00
HSL	314°, 100%, 77%
HSV	314°, 45%, 100%
XYZ	64.6171, 45.6176, 78.8147
YIQ	184.4170, 40.2920, 51.7480

Conversions

Conversions Part 2

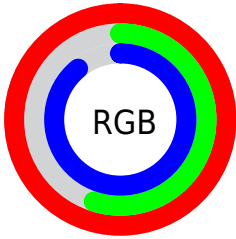
Format	Color
R _Y B	255, 140, 228
Decimal	16747748
CIE Lab	73.30, 54.75, -25.62
CIE LCh	73, 60.445, 334.927
Yxy	45.6176, 0.3418, 0.2413
Android (android.graphics.Color)	4294937828 (0xFFFF8CE4)
YUV	184.4170, 21.4864, 61.9013
Hunter-Lab	67.5408, 52.5766, -21.9081

Details

The Yxy color **45.6176, 0.3418, 0.2413** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.8701, 0.2933, 0.4375**, and the grayscale version is **48.0403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.2113, 0.3484, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **38.6842, 0.3505, 0.2241**, and if you desaturate by 10%, it is **54.2928, 0.3338, 0.2603**.

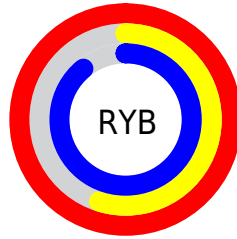
Distribution



Red (100%)

Green (55%)

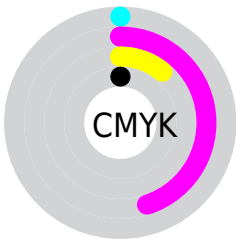
Blue (89%)



Red (100%)

Yellow (55%)

Blue (89%)

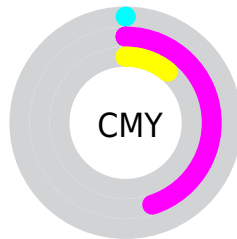


Cyan (0%)

Magenta (45%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6176, 0.3418, 0.2413 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 45.6176, 0.3418, 0.2413 by changing the saturation by 10% instead.


 45.6176, 0.3418,
0.2413


 45.6176, 0.3418,
0.2413


369.2691, 0.3288,
0.2817

 31.9442, 0.3446,
0.2322


 83.6464, 0.3374,
0.2552

 21.3189, 0.3480,
0.2210


 108.7706, 0.3357,
0.2607

 13.3573, 0.3522,
0.2070


138.4805, 0.3341,
0.2654

 7.6750, 0.3574,
0.1890

173.1604, 0.3328,
0.2695

 3.8877, 0.3639,
0.1652

213.1949, 0.3316,
0.2731

 1.6110, 0.3720,
0.1328

258.9682, 0.3306,

 0.3650, 0.3882,

0.2763

0.0710

310.8648, 0.3296,
0.2792

0.0000, 0.3910,
0.0000

0.0000, 0.0000,
0.0000

45.6176, 0.3418,
0.2413

45.6176, 0.3418,
0.2413

38.6842, 0.3505,
0.2241

54.2928, 0.3338,
0.2603

33.3654, 0.3598,
0.2098

64.8130, 0.3267,
0.2802

29.5265, 0.3693,
0.1994

77.2807, 0.3205,
0.3001

27.0083, 0.3788,
0.1936

91.7890, 0.3151,
0.3195

■ 25.6147, 0.3880,
0.1927

99.9953, 0.3127,
0.3290

■ 25.2043, 0.3924,
0.1935

Harmonies

Analogous

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



45.6176, 0.2593, 0.2107



45.6176, 0.3418, 0.2413



45.6176, 0.4258, 0.2897

Triad

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



45.6176, 0.3418, 0.2413



45.6176, 0.4228, 0.4633



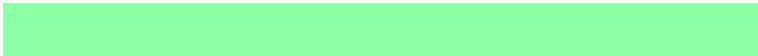
45.6176, 0.1732, 0.2756

Complementary

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



45.6176, 0.3418, 0.2413



79.8701, 0.2933, 0.4375

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.



45.6176, 0.2057, 0.3606



45.6176, 0.3418, 0.2413



45.6176, 0.3485, 0.4864

Square

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



45.6176, 0.3418, 0.2413



45.6176, 0.4717, 0.4091



45.6176, 0.2689, 0.4483



45.6176, 0.1723, 0.2229

Rectangle

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



45.6176, 0.3418, 0.2413



45.6176, 0.4646, 0.3279



45.6176, 0.2689, 0.4483



45.6176, 0.1804, 0.3009

Sweetspot

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



45.6197, 0.3418, 0.2413



78.7723, 0.3199, 0.3022



34.1784, 0.2456, 0.1937



16.2381, 0.3211, 0.2979



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.



45.6197, 0.3418, 0.2413



39.3650, 0.3495, 0.2259



42.9448, 0.4010, 0.2972



18.2232, 0.3174, 0.3110



13.1970, 0.3910, 0.1928



1.3017, 0.3813, 0.1874

Inverse Universe

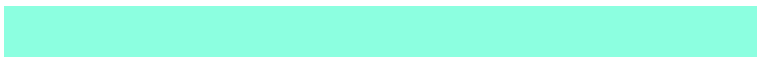
The Inverse Universe completely reimagines the original color for something new.



45.6197, 0.3418, 0.2413



39.3650, 0.3495, 0.2259



82.4803, 0.2657, 0.3649



18.2232, 0.3174, 0.3110



13.1970, 0.3910, 0.1928



1.3017, 0.3813, 0.1874

Previews

White Background



This preview shows how the Yxy color 45.6176, 0.3418, 0.2413 looks on a white background.

Color Contrast Check

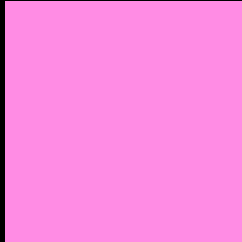
Large Text (above 18pt) WCAG AA × Fail

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 45.6176, 0.3418, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

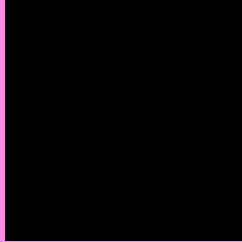
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6176, 0.3418, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 45.6176, 0.3418, 0.2413.

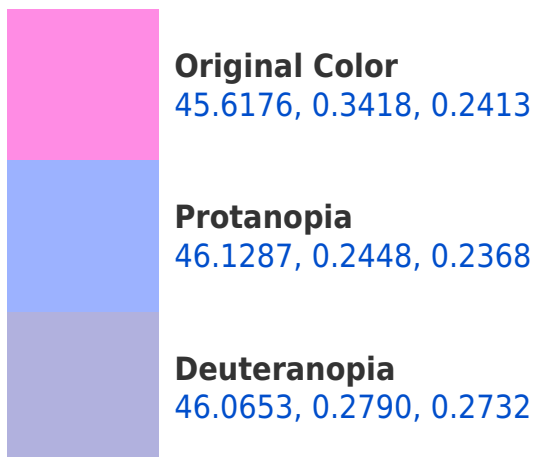


This preview shows how white text looks on a background with the Yxy color 45.6176, 0.3418, 0.2413.

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

45.4555, 0.3959, 0.3163

Trichromacy



Original Color

45.6176, 0.3418, 0.2413



Protanomaly

44.3500, 0.2738, 0.2358



Deuteranomaly

44.9119, 0.2996, 0.2592



Tritanomaly

45.3199, 0.3764, 0.2869

Monochromacy



Original Color

45.6176, 0.3418, 0.2413



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.8770, 0.3235, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6176, 0.3418, 0.2413 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, 140, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 228)  
}
```

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, 140, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 228) }
```

Border

The CSS property to change the border of an element to Yxy 45.6176, 0.3418, 0.2413 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, 140, 228) }
```

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

```
.border{ border-color:rgb(255, 140, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6176, 0.3418, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 228) }
```

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

```
.background{ background-color: rgb(255,  
140, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor