

Converting Colors

$Y_{xy}(41.8910, 0.3524, 0.2391)$

Have a look what the booklet for
Yxy(41.8910, 0.3524, 0.2391)
contains.

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Color

Yxy(41.8128, 0.3520, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	FF80DB
RGB	255, 128, 219
RGB Percent	100%, 50%, 86%
CMY	0.0001, 0.4979, 0.1411
CMYK	0.00, 0.50, 0.14, 0.00
HSL	317°, 100%, 75%
HSV	317°, 50%, 100%
XYZ	61.7370, 41.8128, 71.8394
YIQ	176.3470, 46.4810, 55.2250

Conversions

Conversions Part 2

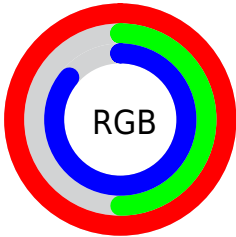
Format	Color
R _Y B	255, 128, 219
Decimal	16744667
CIE Lab	70.74, 59.13, -24.56
CIE LCh	71, 64.028, 337.446
Yxy	41.8128, 0.3520, 0.2384
Android (android.graphics.Color)	4294934747 (0xFFFF80DB)
YUV	176.3470, 21.0279, 68.9787
Hunter-Lab	64.6628, 57.2635, -20.6063

Details

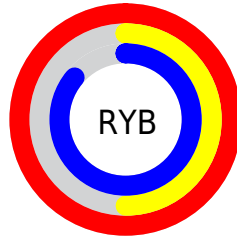
The Yxy color **41.8128, 0.3520, 0.2384** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.7708, 0.2889, 0.4432**, and the grayscale version is **43.4804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **19.0508, 0.3613, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **35.6043, 0.3630, 0.2233**, and if you desaturate by 10%, it is **49.7126, 0.3419, 0.2557**.

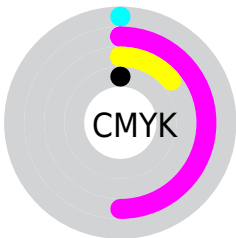
Distribution



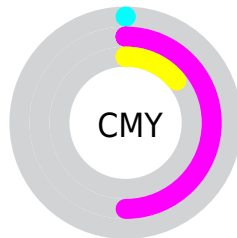
- Red (100%)
- Green (50%)
- Blue (86%)



- Red (100%)
- Yellow (50%)
- Blue (86%)



- Cyan (0%)
- Magenta (50%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8128, 0.3520, 0.2384 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 41.8128, 0.3520, 0.2384 by changing the saturation by 10% instead.

 41.8128, 0.3520,
0.2384

 41.8128, 0.3520,
0.2384


353.7063, 0.3338,
0.2806

 28.9547, 0.3561,
0.2288


 77.9162, 0.3457,
0.2531

 19.0466, 0.3612,
0.2169


 101.9304, 0.3432,
0.2588

 11.7039, 0.3675,
0.2019


 130.4320, 0.3411,
0.2637

 6.5424, 0.3757,
0.1826

163.8055, 0.3393,
0.2680

 3.1776, 0.3864,
0.1569

202.4353, 0.3377,
0.2717

 1.2252, 0.4009,
0.1218

246.7058, 0.3362,

 0.0821, 0.4437,

0.2750

0.0212

297.0013, 0.3349,
0.2780

0.0000, 0.4385,
0.0000

0.0000, 0.0000,
0.0000

41.8128, 0.3520,
0.2384

41.8128, 0.3520,
0.2384

35.6043, 0.3630,
0.2233

49.7126, 0.3419,
0.2557

30.9533, 0.3747,
0.2115

59.4124, 0.3329,
0.2743

27.7157, 0.3868,
0.2040

71.0187, 0.3251,
0.2931

25.7173, 0.3987,
0.2014

84.6278, 0.3183,
0.3116

■ 24.6802, 0.4102,
0.2034

99.9939, 0.3127,
0.3290

■ 24.6619, 0.4104,
0.2035

Harmonies

Analogous

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



41.8128, 0.2612, 0.2041



41.8128, 0.3520, 0.2384



41.8128, 0.4424, 0.2908

Triad

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



41.8128, 0.3520, 0.2384



41.8128, 0.4239, 0.4771



41.8128, 0.1617, 0.2637

Complementary

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



41.8128, 0.3520, 0.2384



78.7708, 0.2889, 0.4432

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.



41.8128, 0.1926, 0.3541



41.8128, 0.3520, 0.2384



41.8128, 0.3423, 0.5009

Square

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



41.8128, 0.3520, 0.2384



41.8128, 0.4811, 0.4182



41.8128, 0.2574, 0.4540



41.8128, 0.1638, 0.2113

Rectangle

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



41.8128, 0.3520, 0.2384



41.8128, 0.4818, 0.3316



41.8128, 0.2574, 0.4540



41.8128, 0.1681, 0.2900

Sweetspot

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



41.8148, 0.3520, 0.2384



77.2986, 0.3217, 0.3020



30.3327, 0.2401, 0.1792



15.9427, 0.3232, 0.2981



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.



41.8148, 0.3520, 0.2384



35.4989, 0.3633, 0.2230



39.1564, 0.4203, 0.2987



18.2074, 0.3182, 0.3121



12.9170, 0.4086, 0.2025



1.2764, 0.3962, 0.1956

Inverse Universe

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



41.8148, 0.3520, 0.2384



35.4989, 0.3633, 0.2230



81.5462, 0.2603, 0.3641



18.2074, 0.3182, 0.3121



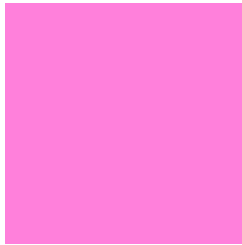
12.9170, 0.4086, 0.2025



1.2764, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 41.8128, 0.3520, 0.2384 looks on a white background.

Color Contrast Check

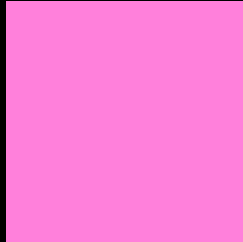
Large Text (above 18pt) WCAG AA × Fail

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 41.8128, 0.3520, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

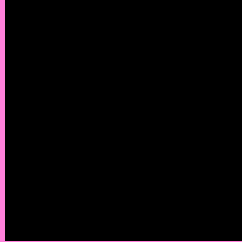
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8128, 0.3520, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 41.8128, 0.3520, 0.2384.



This preview shows how white text looks on a background with the Yxy color 41.8128, 0.3520, 0.2384.

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

41.8128, 0.3520, 0.2384

Protanopia

42.2939, 0.2399, 0.2306

Deuteranopia

42.1608, 0.2807, 0.2749



Tritanopia

41.6024, 0.4131, 0.3175

Trichromacy



Original Color

41.8128, 0.3520, 0.2384



Protanomaly

40.1138, 0.2724, 0.2298



Deuteranomaly

40.9055, 0.3043, 0.2575



Tritanomaly

41.5749, 0.3911, 0.2870

Monochromacy



Original Color

41.8128, 0.3520, 0.2384



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.5812, 0.3268, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8128, 0.3520, 0.2384 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, 128, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 219)  
}
```

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, 128, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.8128, 0.3520, 0.2384 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, 128, 219) }
```

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

```
.border{ border-color:rgb(255, 128, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8128, 0.3520, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 219) }
```

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

```
.background{ background-color: rgb(255,  
128, 219) }
```

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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