

Converting Colors

$Y_{xy}(41.8107, 0.3507, 0.2475)$

Have a look what the booklet for
Yxy(41.8107, 0.3507, 0.2475)
contains.

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Color

Yxy(41.8107, 0.3507, 0.2475)

Conversions

Conversions Part 1

Format	Color
Hex	F886D5
RGB	248, 134, 213
RGB Percent	97%, 53%, 84%
CMY	0.0274, 0.4745, 0.1648
CMYK	0.00, 0.46, 0.14, 0.03
HSL	318°, 89%, 75%
HSV	318°, 46%, 97%
XYZ	59.2445, 41.8107, 67.8769
YIQ	177.0920, 42.5850, 48.7370

Conversions

Conversions Part 2

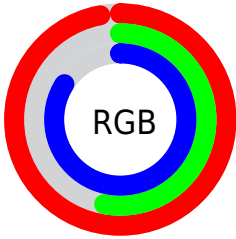
Format	Color
R _{YB}	248, 134, 213
Decimal	16287445
CIE Lab	70.74, 53.23, -21.30
CIE LCh	71, 57.333, 338.192
Yxy	41.8107, 0.3507, 0.2475
Android (android.graphics.Color)	4294477525 (0xFFFF886D5)
YUV	177.0920, 17.7026, 62.1863
Hunter-Lab	64.6612, 50.3899, -16.9758

Details

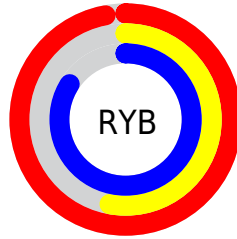
The Yxy color **41.8107, 0.3507, 0.2475** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **75.0733, 0.2889, 0.4289**, and the grayscale version is **43.9070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **19.0248, 0.3596, 0.2279** is the 20% darker color. If you saturate the color by 10%, you get **35.3638, 0.3624, 0.2319**, and if you desaturate by 10%, it is **49.8870, 0.3402, 0.2649**.

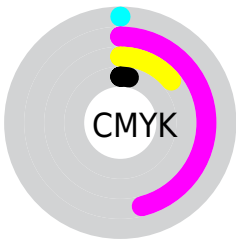
Distribution



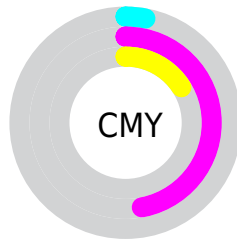
- Red (97%)
- Green (53%)
- Blue (84%)



- Red (97%)
- Yellow (53%)
- Blue (84%)



- Cyan (0%)
- Magenta (46%)
- Yellow (14%)
- Black (3%)





- Cyan (3%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8107, 0.3507, 0.2475 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 41.8107, 0.3507, 0.2475 by changing the saturation by 10% instead.

 41.8107, 0.3507,
0.2475


 41.8107, 0.3507,
0.2475


353.6976, 0.3328,
0.2859

 28.9531, 0.3548,
0.2386

 77.9130, 0.3444,
0.2609

 19.0453, 0.3600,
0.2276

 101.9266, 0.3420,
0.2661

 11.7030, 0.3665,
0.2136


 130.4275, 0.3399,
0.2706

 6.5418, 0.3750,
0.1953

163.8003, 0.3381,
0.2745

 3.1772, 0.3866,
0.1705

202.4293, 0.3366,
0.2779

 1.2250, 0.4028,
0.1357

246.6990, 0.3352,

 0.0819, 0.4544,

0.2809

296.9936, 0.3339,
0.2835

0.0248

0.0000, 0.4658,
0.0000

0.0000, 0.0000,
0.0000

41.8107, 0.3507,
0.2475

41.8107, 0.3507,
0.2475

35.3638, 0.3624,
0.2319

49.8870, 0.3402,
0.2649

30.4261, 0.3749,
0.2191

59.6900, 0.3310,
0.2830

26.8703, 0.3881,
0.2102

71.3164, 0.3230,
0.3012

24.5454, 0.4014,
0.2061

84.8538, 0.3163,
0.3189

■ 23.2641, 0.4144,
0.2071

■ 98.4475, 0.3106,
0.3328

■ 22.9275, 0.4195,
0.2085

■ 98.6974, 0.3084,
0.3290

Harmonies

Analogous

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



41.8107, 0.2684, 0.2152



41.8107, 0.3507, 0.2475



41.8107, 0.4307, 0.2965

Triad

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



41.8107, 0.3507, 0.2475



41.8107, 0.4138, 0.4652



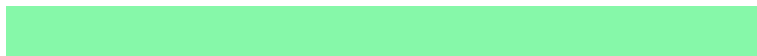
41.8107, 0.1744, 0.2697

Complementary

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



41.8107, 0.3507, 0.2475



75.0733, 0.2889, 0.4289

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.



41.8107, 0.2030, 0.3500



41.8107, 0.3507, 0.2475



41.8107, 0.3395, 0.4816

Square

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



41.8107, 0.3507, 0.2475



41.8107, 0.4651, 0.4144



41.8107, 0.2622, 0.4374



41.8107, 0.1767, 0.2217

Rectangle

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



41.8107, 0.3507, 0.2475



41.8107, 0.4653, 0.3347



41.8107, 0.2622, 0.4374



41.8107, 0.1804, 0.2934

Sweetspot

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



41.8127, 0.3507, 0.2475



78.6130, 0.3216, 0.3047



32.1781, 0.2500, 0.1931



16.1991, 0.3232, 0.3008



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.



41.8127, 0.3507, 0.2475



38.2126, 0.3613, 0.2331



39.4380, 0.4121, 0.3049



17.4284, 0.3185, 0.3127



12.4111, 0.4176, 0.2074



1.1684, 0.4031, 0.1994

Inverse Universe

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



41.8127, 0.3507, 0.2475



38.2126, 0.3613, 0.2331



77.6545, 0.2615, 0.3561



17.4284, 0.3185, 0.3127



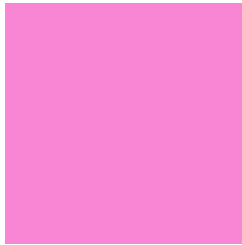
12.4111, 0.4176, 0.2074



1.1684, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 41.8107, 0.3507, 0.2475 looks on a white background.

Color Contrast Check

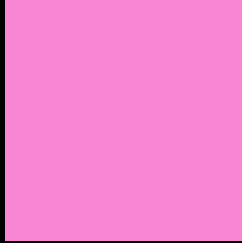
Large Text (above 18pt) WCAG AA × Fail

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 41.8107, 0.3507, 0.2475 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 41.8107, 0.3507, 0.2475

Background



This preview shows how black text looks on a background with the Yxy color 41.8107, 0.3507, 0.2475.

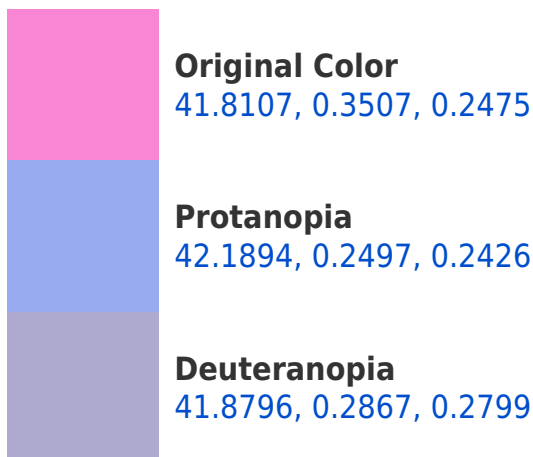


This preview shows how white text looks on a background with the Yxy color 41.8107, 0.3507, 0.2475.

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

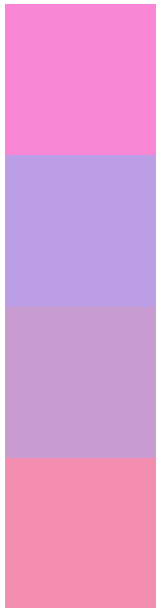




Tritanopia

41.8693, 0.4013, 0.3171

Trichromacy



Original Color

41.8107, 0.3507, 0.2475

Protanomaly

40.8583, 0.2806, 0.2427

Deuteranomaly

40.7979, 0.3084, 0.2650

Tritanomaly

41.7534, 0.3829, 0.2911

Monochromacy



Original Color

41.8107, 0.3507, 0.2475

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

41.9040, 0.3265, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8107, 0.3507, 0.2475 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(248, 134, 213)` looks like.

```
.text, #text, p{  
    color:rgb(248, 134, 213)  
}
```

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(248, 134, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 134, 213) }
```

Border

The CSS property to change the border of an element to Yxy 41.8107, 0.3507, 0.2475 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(248, 134, 213) }
```

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

```
.border{ border-color:rgb(248, 134, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 134, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 134, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 134, 213);  
box-shadow:4px 4px 4px 4px rgb(248, 134,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8107, 0.3507, 0.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 134, 213) }
```

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

```
.background{ background-color: rgb(248,  
134, 213) }
```

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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