

Converting Colors

$Y_{xy}(47.7716, 0.3349, 0.2406)$

Have a look what the booklet for
Yxy(47.7716, 0.3349, 0.2406)
contains.

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Color

Yxy(47.8159, 0.3348, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	FF92EB
RGB	255, 146, 235
RGB Percent	100%, 57%, 92%
CMY	0.0001, 0.4274, 0.0784
CMYK	0.00, 0.43, 0.08, 0.00
HSL	311°, 100%, 79%
HSV	311°, 43%, 100%
XYZ	66.5092, 47.8159, 84.3284
YIQ	188.7370, 36.3950, 50.7870

Conversions

Conversions Part 2

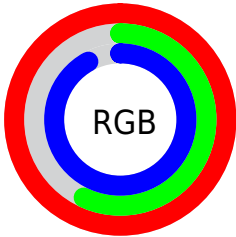
Format	Color
R _Y B	255, 146, 235
Decimal	16749291
CIE Lab	74.71, 52.91, -27.27
CIE LCh	75, 59.529, 332.731
Yxy	47.8159, 0.3348, 0.2407
Android (android.graphics.Color)	4294939371 (0xFFFF92EB)
YUV	188.7370, 22.8077, 58.1127
Hunter-Lab	69.1490, 50.6747, -23.9008

Details

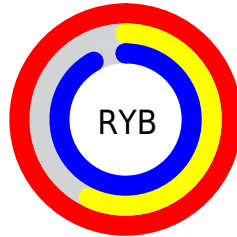
The Yxy color **47.8159, 0.3348, 0.2407** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.3717, 0.2968, 0.4378**, and the grayscale version is **50.5852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **22.6447, 0.3386, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **40.5466, 0.3415, 0.2221**, and if you desaturate by 10%, it is **56.8496, 0.3286, 0.2610**.

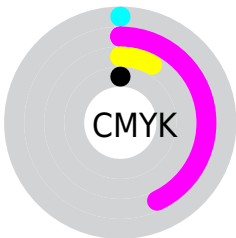
Distribution



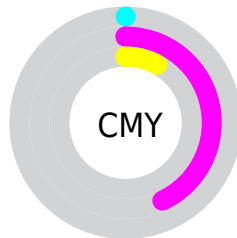
- Red (100%)
- Green (57%)
- Blue (92%)



- Red (100%)
- Yellow (57%)
- Blue (92%)



- Cyan (0%)
- Magenta (43%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8159, 0.3348, 0.2407 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 47.8159, 0.3348, 0.2407 by changing the saturation by 10% instead.


 47.8159, 0.3348,
0.2407


 47.8159, 0.3348,
0.2407


378.0619, 0.3253,
0.2810

 33.6811, 0.3367,
0.2317


 86.9302, 0.3317,
0.2546

 22.6487, 0.3390,
0.2207


 112.6786, 0.3304,
0.2600

 14.3344, 0.3417,
0.2069


143.0669, 0.3293,
0.2647

 8.3536, 0.3449,
0.1894

178.4796, 0.3283,
0.2688

 4.3220, 0.3486,
0.1664

219.3010, 0.3275,
0.2724

 1.8553, 0.3526,
0.1352

265.9157, 0.3267,

 0.5213, 0.3579,

0.2756

0.0854

318.7078, 0.3260,
0.2785

■ 0.0000, 0.3608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8159, 0.3348,
0.2407

■ 47.8159, 0.3348,
0.2407

■ 40.5466, 0.3415,
0.2221

■ 56.8496, 0.3286,
0.2610

■ 34.9170, 0.3486,
0.2063

■ 67.7481, 0.3230,
0.2821

■ 30.7971, 0.3559,
0.1942

■ 80.6121, 0.3181,
0.3031

■ 28.0337, 0.3630,
0.1865

■ 95.5333, 0.3138,
0.3236

■ 26.4415, 0.3699,
0.1835

99.9959, 0.3127,
0.3290

■ 25.8224, 0.3747,
0.1838

Harmonies

Analogous

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



47.8159, 0.2558, 0.2123



47.8159, 0.3348, 0.2407



47.8159, 0.4172, 0.2870

Triad

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



47.8159, 0.3348, 0.2407



47.8159, 0.4248, 0.4568



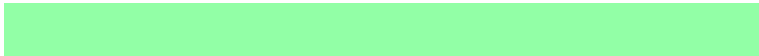
47.8159, 0.1780, 0.2826

Complementary

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



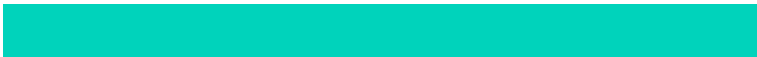
47.8159, 0.3348, 0.2407



80.3717, 0.2968, 0.4378

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.



47.8159, 0.2124, 0.3665



47.8159, 0.3348, 0.2407



47.8159, 0.3537, 0.4816

Square

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



47.8159, 0.3348, 0.2407



47.8159, 0.4694, 0.4034



47.8159, 0.2759, 0.4490



47.8159, 0.1749, 0.2286

Rectangle

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



47.8159, 0.3348, 0.2407



47.8159, 0.4569, 0.3241



47.8159, 0.2759, 0.4490



47.8159, 0.1859, 0.3080

Sweetspot

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



47.8181, 0.3348, 0.2407



80.2578, 0.3182, 0.3026



35.6935, 0.2446, 0.1999



16.5360, 0.3192, 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.



47.8181, 0.3348, 0.2407



41.6935, 0.3403, 0.2252



45.2107, 0.3865, 0.2913



18.2399, 0.3166, 0.3098



13.5159, 0.3736, 0.1832



1.3302, 0.3665, 0.1793

Inverse Universe

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



47.8181, 0.3348, 0.2407



41.6935, 0.3403, 0.2252



82.7155, 0.2711, 0.3715



18.2399, 0.3166, 0.3098



13.5159, 0.3736, 0.1832



1.3302, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 47.8159, 0.3348, 0.2407 looks on a white background.

Color Contrast Check

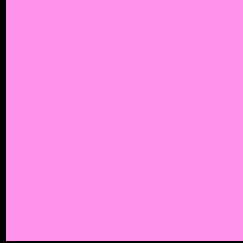
Large Text (above 18pt) WCAG AA × Fail

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 47.8159, 0.3348, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

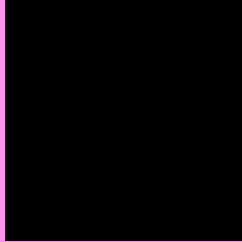
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8159, 0.3348, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 47.8159, 0.3348, 0.2407.



This preview shows how white text looks on a background with the Yxy color 47.8159, 0.3348, 0.2407.

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

47.8159, 0.3348, 0.2407

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

47.8834, 0.2760, 0.2694



Tritanopia

47.5107, 0.3867, 0.3162

Trichromacy



Original Color

47.8159, 0.3348, 0.2407



Protanomaly

46.8890, 0.2753, 0.2395



Deuteranomaly

47.0402, 0.2959, 0.2570



Tritanomaly

47.3302, 0.3679, 0.2868

Monochromacy



Original Color

47.8159, 0.3348, 0.2407



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.4895, 0.3206, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8159, 0.3348, 0.2407 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, 146, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 235)  
}
```

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, 146, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.8159, 0.3348, 0.2407 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, 146, 235) }
```

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

```
.border{ border-color:rgb(255, 146, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8159, 0.3348, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 235) }
```

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

```
.background{ background-color: rgb(255,  
146, 235) }
```

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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