

Converting Colors

$Y_{xy}(46.6625, 0.3390, 0.2417)$

Have a look what the booklet for
Yxy(46.6625, 0.3390, 0.2417)
contains.

Yxy(46.6744, 0.3387, 0.2414)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6744, 0.3387, 0.2414)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FE7
RGB	255, 143, 231
RGB Percent	100%, 56%, 91%
CMY	0.0000, 0.4392, 0.0940
CMYK	0.00, 0.44, 0.09, 0.00
HSL	313°, 100%, 78%
HSV	313°, 44%, 100%
XYZ	65.4872, 46.6744, 81.1872
YIQ	186.5200, 38.5040, 51.1120

Conversions

Conversions Part 2

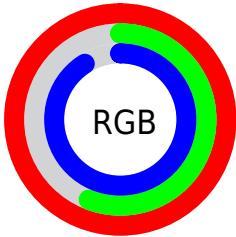
Format	Color
R _Y B	255, 143, 231
Decimal	16748519
CIE Lab	73.98, 53.76, -26.22
CIE LCh	74, 59.817, 334.003
Yxy	46.6744, 0.3387, 0.2414
Android (android.graphics.Color)	4294938599 (0xFFFF8FE7)
YUV	186.5200, 21.9286, 60.0570
Hunter-Lab	68.3187, 51.5445, -22.6348

Details

The Yxy color **46.6744, 0.3387, 0.2414** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.1416, 0.2948, 0.4371**, and the grayscale version is **49.2701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **21.9757, 0.3440, 0.2219** is the 20% darker color. If you saturate the color by 10%, you get **39.5674, 0.3466, 0.2236**, and if you desaturate by 10%, it is **55.5350, 0.3315, 0.2610**.

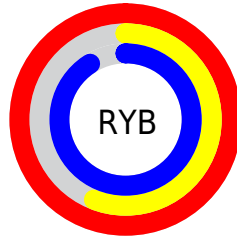
Distribution



Red (100%)

Green (56%)

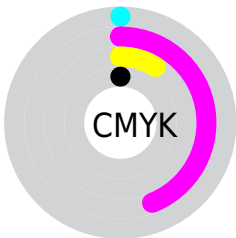
Blue (91%)



Red (100%)

Yellow (56%)

Blue (91%)

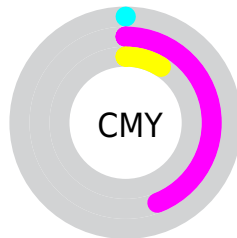


Cyan (0%)

Magenta (44%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6744, 0.3387, 0.2414 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 46.6744, 0.3387, 0.2414 by changing the saturation by 10% instead.


 46.6744, 0.3387,
0.2414


 46.6744, 0.3387,
0.2414


373.5134, 0.3273,
0.2816

 32.7783, 0.3411,
0.2324


 85.2274, 0.3349,
0.2552

 21.9567, 0.3440,
0.2213


 110.6531, 0.3333,
0.2607

 13.8251, 0.3476,
0.2075


140.6908, 0.3320,
0.2653

 7.9991, 0.3519,
0.1897

175.7250, 0.3308,
0.2694

 4.0944, 0.3571,
0.1664

216.1399, 0.3298,
0.2730

 1.7265, 0.3634,
0.1346

262.3200, 0.3289,

 0.4407, 0.3743,

0.2762

0.0792

314.6497, 0.3280,
0.2791

0.0000, 0.3786,
0.0000

0.0000, 0.0000,
0.0000

46.6744, 0.3387,
0.2414

46.6744, 0.3387,
0.2414

39.5674, 0.3466,
0.2236

55.5350, 0.3315,
0.2610

34.0880, 0.3549,
0.2086

66.2510, 0.3250,
0.2813

30.1040, 0.3635,
0.1974

78.9241, 0.3193,
0.3017

27.4592, 0.3721,
0.1907

93.6466, 0.3144,
0.3215

■ 25.9629, 0.3803,
0.1888

99.9979, 0.3127,
0.3290

■ 25.4493, 0.3851,
0.1895

Harmonies

Analogous

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



46.6744, 0.2581, 0.2118



46.6744, 0.3387, 0.2414



46.6744, 0.4216, 0.2887

Triad

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



46.6744, 0.3387, 0.2414



46.6744, 0.4233, 0.4600



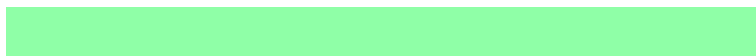
46.6744, 0.1758, 0.2788

Complementary

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



46.6744, 0.3387, 0.2414



80.1416, 0.2948, 0.4371

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.



46.6744, 0.2090, 0.3630



46.6744, 0.3387, 0.2414



46.6744, 0.3506, 0.4835

Square

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



46.6744, 0.3387, 0.2414



46.6744, 0.4701, 0.4064



46.6744, 0.2721, 0.4480



46.6744, 0.1740, 0.2258

Rectangle

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



46.6744, 0.3387, 0.2414



46.6744, 0.4606, 0.3264



46.6744, 0.2721, 0.4480



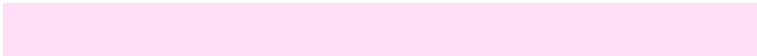
46.6744, 0.1833, 0.3041

Sweetspot

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



46.6766, 0.3387, 0.2414



80.1946, 0.3189, 0.3035



34.9088, 0.2450, 0.1968



16.5203, 0.3200, 0.2991



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.



46.6766, 0.3387, 0.2414



40.1531, 0.3458, 0.2251



44.0633, 0.3936, 0.2941



18.2299, 0.3171, 0.3105



13.3220, 0.3839, 0.1888



1.3129, 0.3752, 0.1841

Inverse Universe

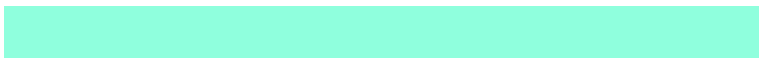
The Inverse Universe completely reimagines the original color for something new.



46.6766, 0.3387, 0.2414



40.1531, 0.3458, 0.2251



82.5947, 0.2684, 0.3683



18.2299, 0.3171, 0.3105



13.3220, 0.3839, 0.1888



1.3129, 0.3752, 0.1841

Previews

White Background



This preview shows how the Yxy color 46.6744, 0.3387, 0.2414 looks on a white background.

Color Contrast Check

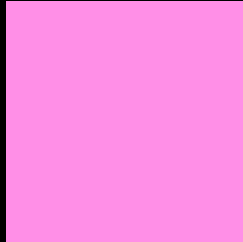
Large Text (above 18pt) WCAG AA × Fail

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 46.6744, 0.3387, 0.2414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

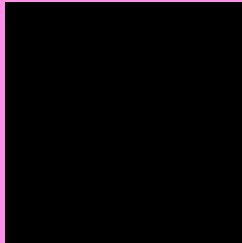
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6744, 0.3387, 0.2414

Background



This preview shows how black text looks on a background with the Yxy color 46.6744, 0.3387, 0.2414.



This preview shows how white text looks on a background with the Yxy color 46.6744, 0.3387, 0.2414.

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

46.6744, 0.3387, 0.2414

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

46.7420, 0.2778, 0.2712



Tritanopia

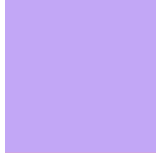
46.5605, 0.3917, 0.3163

Trichromacy



Original Color

46.6744, 0.3387, 0.2414



Protanomaly

45.7606, 0.2749, 0.2387



Deuteranomaly

45.5781, 0.2981, 0.2574



Tritanomaly

46.4040, 0.3726, 0.2869

Monochromacy



Original Color

46.6744, 0.3387, 0.2414



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.4347, 0.3224, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6744, 0.3387, 0.2414 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, 143, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 231)  
}
```

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, 143, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 231) }
```

Border

The CSS property to change the border of an element to Yxy 46.6744, 0.3387, 0.2414 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, 143, 231) }
```

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

```
.border{ border-color:rgb(255, 143, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6744, 0.3387, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 231) }
```

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

```
.background{ background-color: rgb(255,  
143, 231) }
```

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