

Converting Colors

$Y_{xy}(46.1355, 0.3469, 0.2491)$

Have a look what the booklet for
Yxy(46.1355, 0.3469, 0.2491)
contains.

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Color

Yxy(46.1788, 0.3472, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FDE
RGB	255, 143, 222
RGB Percent	100%, 56%, 87%
CMY	0.0000, 0.4393, 0.1293
CMYK	0.00, 0.44, 0.13, 0.00
HSL	318°, 100%, 78%
HSV	318°, 44%, 100%
XYZ	64.2616, 46.1788, 74.6449
YIQ	185.4940, 41.3930, 48.3130

Conversions

Conversions Part 2

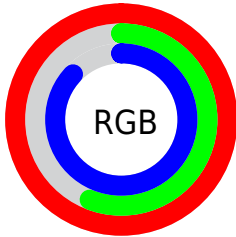
Format	Color
R _Y B	255, 143, 222
Decimal	16748510
CIE Lab	73.66, 52.37, -21.76
CIE LCh	74, 56.712, 337.435
Yxy	46.1788, 0.3472, 0.2495
Android (android.graphics.Color)	4294938590 (0xFFFF8FDE)
YUV	185.4940, 17.9975, 60.9568
Hunter-Lab	67.9550, 49.8773, -17.5584

Details

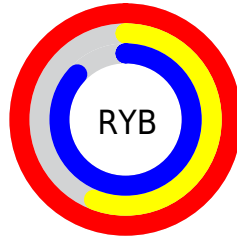
The Yxy color **46.1788, 0.3472, 0.2495** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.4902, 0.2904, 0.4256**, and the grayscale version is **48.6770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **21.6705, 0.3545, 0.2306** is the 20% darker color. If you saturate the color by 10%, you get **38.9744, 0.3581, 0.2332**, and if you desaturate by 10%, it is **55.1271, 0.3373, 0.2674**.

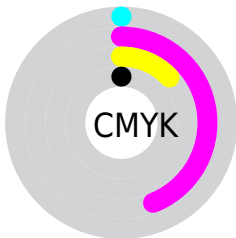
Distribution



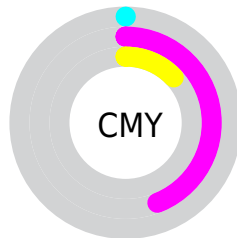
- Red (100%)
- Green (56%)
- Blue (87%)



- Red (100%)
- Yellow (56%)
- Blue (87%)



- Cyan (0%)
- Magenta (44%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1788, 0.3472, 0.2495 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 46.1788, 0.3472, 0.2495 by changing the saturation by 10% instead.

 46.1788, 0.3472,
0.2495

 46.1788, 0.3472,
0.2495


371.5270, 0.3313,
0.2864

 32.3869, 0.3508,
0.2411


 84.4865, 0.3417,
0.2623

 21.6572, 0.3552,
0.2307


 109.7712, 0.3395,
0.2673

 13.6052, 0.3608,
0.2177


139.6555, 0.3377,
0.2716

 7.8466, 0.3680,
0.2008

174.5240, 0.3361,
0.2753

 3.9970, 0.3775,
0.1782

214.7610, 0.3347,
0.2786

 1.6719, 0.3906,
0.1467

260.7509, 0.3334,

 0.4053, 0.4160,

0.2815

0.0860

312.8781, 0.3323,
0.2841

■ 0.0000, 0.4467,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.1788, 0.3472,
0.2495

■ 46.1788, 0.3472,
0.2495

■ 38.9744, 0.3581,
0.2332

■ 55.1271, 0.3373,
0.2674

■ 33.4149, 0.3700,
0.2195

■ 65.9484, 0.3287,
0.2859

■ 29.3585, 0.3824,
0.2095

■ 78.7353, 0.3213,
0.3044

■ 26.6492, 0.3950,
0.2042

■ 93.5805, 0.3149,
0.3222

■ 25.0960, 0.4074,
0.2040

100.0000, 0.3127,
0.3290

■ 24.5521, 0.4147,
0.2058

Harmonies

Analogous

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



46.1788, 0.2686, 0.2187



46.1788, 0.3472, 0.2495



46.1788, 0.4240, 0.2968

Triad

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



46.1788, 0.3472, 0.2495



46.1788, 0.4120, 0.4592



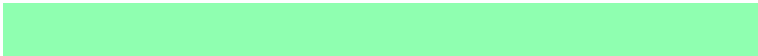
46.1788, 0.1797, 0.2742

Complementary

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



46.1788, 0.3472, 0.2495



80.4902, 0.2904, 0.4256

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.



46.1788, 0.2085, 0.3516



46.1788, 0.3472, 0.2495



46.1788, 0.3410, 0.4749

Square

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



46.1788, 0.3472, 0.2495



46.1788, 0.4601, 0.4107



46.1788, 0.2664, 0.4339



46.1788, 0.1811, 0.2267

Rectangle

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



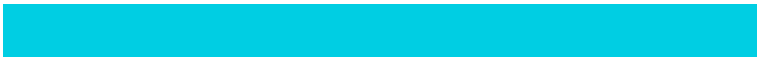
46.1788, 0.3472, 0.2495



46.1788, 0.4579, 0.3337



46.1788, 0.2664, 0.4339



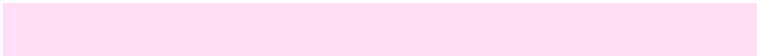
46.1788, 0.1859, 0.2972

Sweetspot

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



46.1720, 0.3472, 0.2495



80.0301, 0.3206, 0.3061



35.9381, 0.2519, 0.1990



16.4794, 0.3222, 0.3020



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.



46.1720, 0.3472, 0.2495



39.5739, 0.3570, 0.2346



43.6963, 0.4037, 0.3039



18.2039, 0.3183, 0.3124



12.8564, 0.4128, 0.2048



1.2709, 0.3997, 0.1976

Inverse Universe

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



46.1720, 0.3472, 0.2495



39.5739, 0.3570, 0.2346



83.1115, 0.2641, 0.3570



18.2039, 0.3183, 0.3124



12.8564, 0.4128, 0.2048



1.2709, 0.3997, 0.1976

Previews

White Background



This preview shows how the Yxy color 46.1788, 0.3472, 0.2495 looks on a white background.

Color Contrast Check

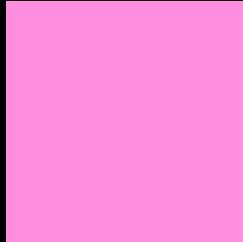
Large Text (above 18pt) WCAG AA × Fail

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 46.1788, 0.3472, 0.2495 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 46.1788, 0.3472, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 46.1788, 0.3472, 0.2495.



This preview shows how white text looks on a background with the Yxy color 46.1788, 0.3472, 0.2495.

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

46.1788, 0.3472, 0.2495

Protanopia

46.5946, 0.2519, 0.2457

Deuteranopia

46.3472, 0.2870, 0.2806



Tritanopia

46.0041, 0.3954, 0.3163

Trichromacy



Original Color

46.1788, 0.3472, 0.2495



Protanomaly

45.1065, 0.2804, 0.2445



Deuteranomaly

45.5275, 0.3077, 0.2674



Tritanomaly

45.8671, 0.3779, 0.2911

Monochromacy



Original Color

46.1788, 0.3472, 0.2495



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.5283, 0.3250, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1788, 0.3472, 0.2495 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 222) }
```

Border

The CSS property to change the border of an element to Yxy 46.1788, 0.3472, 0.2495 is called "border". The border property can be set on classes, ids or directly on the HTML element.

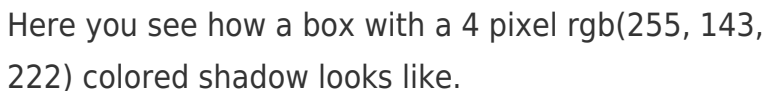
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 143, 222) }
```

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

```
.border{ border-color:rgb(255, 143, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1788, 0.3472, 0.2495 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
143, 222) }
```

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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