

Converting Colors

$Y_{xy}(49.0840, 0.3441, 0.2337)$

Have a look what the booklet for
Yxy(49.0840, 0.3441, 0.2337)
contains.

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Color

Yxy(46.0761, 0.3300, 0.2292)

Conversions

Conversions Part 1

Format	Color
Hex	FF8BF1
RGB	255, 139, 241
RGB Percent	100%, 55%, 95%
CMY	0.0001, 0.4548, 0.0549
CMYK	0.00, 0.45, 0.05, 0.00
HSL	307°, 100%, 77%
HSV	307°, 45%, 100%
XYZ	66.3399, 46.0761, 88.6141
YIQ	185.3120, 36.3940, 56.3140

Conversions

Conversions Part 2

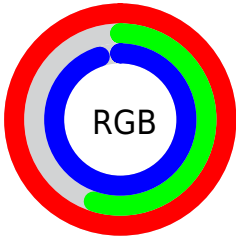
Format	Color
R _Y B	255, 139, 241
Decimal	16747505
CIE Lab	73.59, 57.34, -32.25
CIE LCh	74, 65.787, 330.640
Yxy	46.0761, 0.3300, 0.2292
Android (android.graphics.Color)	4294937585 (0xFFFF8BF1)
YUV	185.3120, 27.4542, 61.1164
Hunter-Lab	67.8794, 55.6629, -29.8854

Details

The Yxy color **46.0761, 0.3300, 0.2292** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.2899, 0.2995, 0.4553**, and the grayscale version is **48.5309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **21.5792, 0.3320, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **39.3519, 0.3347, 0.2103**, and if you desaturate by 10%, it is **54.5292, 0.3256, 0.2503**.

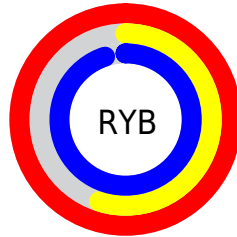
Distribution



Red (100%)

Green (55%)

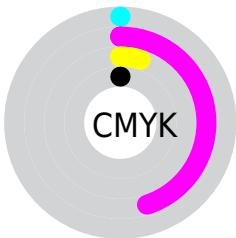
Blue (95%)



Red (100%)

Yellow (55%)

Blue (95%)

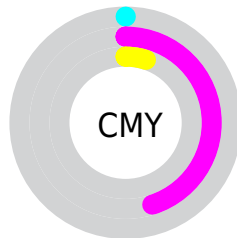


Cyan (0%)

Magenta (45%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0761, 0.3300, 0.2292 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 46.0761, 0.3300, 0.2292 by changing the saturation by 10% instead.


 46.0761, 0.3300,
0.2292

 46.0761, 0.3300,
0.2292


371.1145, 0.3232,
0.2745

 32.3059, 0.3312,
0.2192


 84.3329, 0.3279,
0.2447

 21.5952, 0.3325,
0.2070


 109.5882, 0.3270,
0.2507

 13.5598, 0.3339,
0.1920


139.4407, 0.3262,
0.2560

 7.8151, 0.3353,
0.1729

174.2748, 0.3255,
0.2606

 3.9769, 0.3361,
0.1483

214.4748, 0.3249,
0.2647

 1.6606, 0.3355,
0.1159

260.4252, 0.3243,

 0.3980, 0.3343,

0.2683

0.0614

312.5103, 0.3237,
0.2716

0.0000, 0.3146,
0.0000

0.0000, 0.0000,
0.0000

46.0761, 0.3300,
0.2292

46.0761, 0.3300,
0.2292

39.3519, 0.3347,
0.2103

54.5292, 0.3256,
0.2503

34.2288, 0.3394,
0.1946

64.8146, 0.3214,
0.2725

30.5717, 0.3441,
0.1829

77.0351, 0.3177,
0.2950

28.2204, 0.3486,
0.1757

91.2839, 0.3144,
0.3172

■ 26.9769, 0.3528,
0.1729

99.9936, 0.3127,
0.3290

■ 26.6489, 0.3546,
0.1727

Harmonies

Analogous

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



46.0761, 0.2441, 0.2001



46.0761, 0.3300, 0.2292



46.0761, 0.4236, 0.2780

Triad

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



46.0761, 0.3300, 0.2292



46.0761, 0.4393, 0.4649



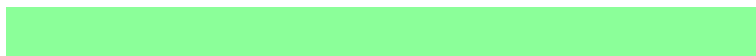
46.0761, 0.1663, 0.2814

Complementary

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



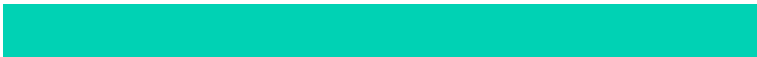
46.0761, 0.3300, 0.2292



79.2899, 0.2995, 0.4553

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.



46.0761, 0.2050, 0.3778



46.0761, 0.3300, 0.2292



46.0761, 0.3618, 0.4998

Square

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



46.0761, 0.3300, 0.2292



46.0761, 0.4876, 0.4033



46.0761, 0.2760, 0.4703



46.0761, 0.1612, 0.2203

Rectangle

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



46.0761, 0.3300, 0.2292



46.0761, 0.4703, 0.3175



46.0761, 0.2760, 0.4703



46.0761, 0.1753, 0.3105

Sweetspot

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



46.0782, 0.3300, 0.2292



79.0258, 0.3172, 0.2983



32.4208, 0.2352, 0.1891



16.3004, 0.3179, 0.2935



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.



46.0782, 0.3300, 0.2292



39.6436, 0.3344, 0.2112



43.1660, 0.3873, 0.2830



18.2605, 0.3157, 0.3084



13.9437, 0.3539, 0.1723



1.3678, 0.3496, 0.1700

Inverse Universe

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



46.0782, 0.3300, 0.2292



39.6436, 0.3344, 0.2112



81.6694, 0.2718, 0.3820



18.2605, 0.3157, 0.3084



13.9437, 0.3539, 0.1723



1.3678, 0.3496, 0.1700

Previews

White Background



This preview shows how the Yxy color 46.0761, 0.3300, 0.2292 looks on a white background.

Color Contrast Check

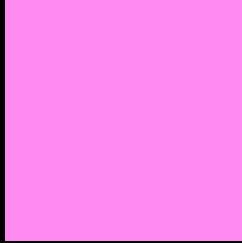
Large Text (above 18pt) WCAG AA × Fail

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 46.0761, 0.3300, 0.2292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

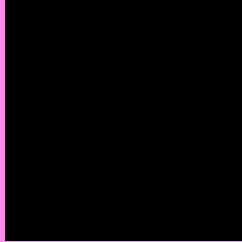
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0761, 0.3300, 0.2292

Background



This preview shows how black text looks on a background with the Yxy color 46.0761, 0.3300, 0.2292.



This preview shows how white text looks on a background with the Yxy color 46.0761, 0.3300, 0.2292.

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

46.0761, 0.3300, 0.2292

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.4392, 0.2668, 0.2604



Tritanopia

45.8255, 0.3912, 0.3162

Trichromacy



Original Color

46.0761, 0.3300, 0.2292



Protanomaly

44.7905, 0.2713, 0.2313



Deuteranomaly

45.2219, 0.2873, 0.2455



Tritanomaly

45.5297, 0.3681, 0.2814

Monochromacy



Original Color

46.0761, 0.3300, 0.2292



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.1147, 0.3192, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0761, 0.3300, 0.2292 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, 139, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 241)  
}
```

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, 139, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 241) }
```

Border

The CSS property to change the border of an element to Yxy 46.0761, 0.3300, 0.2292 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, 139, 241) }
```

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

```
.border{ border-color:rgb(255, 139, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0761, 0.3300, 0.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 241) }
```

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

```
.background{ background-color: rgb(255,  
139, 241) }
```

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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