

Converting Colors

$Y_{xy}(45.3533, 0.3296, 0.2202)$

Have a look what the booklet for
Yxy(45.3533, 0.3296, 0.2202)
contains.

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Color

Yxy(44.4163, 0.3260, 0.2190)

Conversions

Conversions Part 1

Format	Color
Hex	FF84F6
RGB	255, 132, 246
RGB Percent	100%, 52%, 96%
CMY	0.0001, 0.4822, 0.0353
CMYK	0.00, 0.48, 0.04, 0.00
HSL	304°, 100%, 76%
HSV	304°, 48%, 100%
XYZ	66.1174, 44.4163, 92.2804
YIQ	181.7730, 36.7140, 61.5300

Conversions

Conversions Part 2

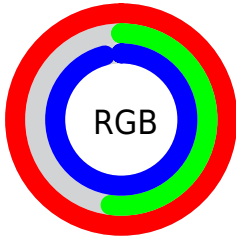
Format	Color
R _Y B	255, 132, 246
Decimal	16745718
CIE Lab	72.51, 61.54, -36.67
CIE LCh	73, 71.634, 329.206
Yxy	44.4163, 0.3260, 0.2190
Android (android.graphics.Color)	4294935798 (0xFFFF84F6)
YUV	181.7730, 31.6639, 64.2201
Hunter-Lab	66.6456, 60.4557, -35.4437

Details

The Yxy color **44.4163, 0.3260, 0.2190** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.3308, 0.3015, 0.4716**, and the grayscale version is **46.4627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **20.5788, 0.3276, 0.1952** is the 20% darker color. If you saturate the color by 10%, you get **38.2125, 0.3291, 0.2003**, and if you desaturate by 10%, it is **52.3149, 0.3229, 0.2403**.

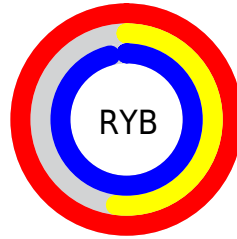
Distribution



Red (100%)

Green (52%)

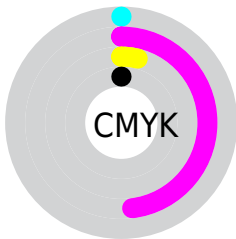
Blue (96%)



Red (100%)

Yellow (52%)

Blue (96%)

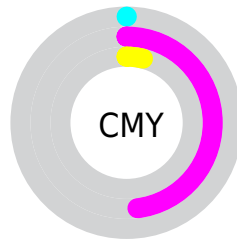


Cyan (0%)

Magenta (48%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4163, 0.3260, 0.2190 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 44.4163, 0.3260, 0.2190 by changing the saturation by 10% instead.


 44.4163, 0.3260,
0.2190


 44.4163, 0.3260,
0.2190


364.4044, 0.3215,
0.2686

 30.9979, 0.3266,
0.2081


 81.8438, 0.3248,
0.2358

 20.5973, 0.3271,
0.1950

 106.6217, 0.3242,
0.2425

 12.8299, 0.3273,
0.1789


 135.9549, 0.3237,
0.2483

 7.3115, 0.3270,
0.1587

170.2279, 0.3232,
0.2533

 3.6577, 0.3255,
0.1330

209.8249, 0.3227,
0.2578

 1.4840, 0.3210,
0.0999

255.1304, 0.3223,

 0.2774, 0.3149,

0.2618

0.0407

306.5287, 0.3219,
0.2654

0.0000, 0.2793,
0.0000

0.0000, 0.0000,
0.0000

44.4163, 0.3260,
0.2190

44.4163, 0.3260,
0.2190

38.2125, 0.3291,
0.2003

52.3149, 0.3229,
0.2403

33.5721, 0.3322,
0.1851

62.0148, 0.3199,
0.2632

30.3545, 0.3351,
0.1741

73.6210, 0.3172,
0.2868

28.3912, 0.3377,
0.1676

87.2286, 0.3146,
0.3102

■ 27.4502, 0.3401,
0.1652

99.9941, 0.3127,
0.3290

■ 27.3322, 0.3405,
0.1649

Harmonies

Analogous

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



44.4163, 0.2339, 0.1891



44.4163, 0.3260, 0.2190



44.4163, 0.4301, 0.2701

Triad

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



44.4163, 0.3260, 0.2190



44.4163, 0.4517, 0.4716



44.4163, 0.1553, 0.2796

Complementary

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



44.4163, 0.3260, 0.2190



78.3308, 0.3015, 0.4716

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.



44.4163, 0.1976, 0.3880



44.4163, 0.3260, 0.2190



44.4163, 0.3679, 0.5164

Square

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



44.4163, 0.3260, 0.2190



44.4163, 0.5041, 0.4027



44.4163, 0.2751, 0.4907



44.4163, 0.1490, 0.2123

Rectangle

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



44.4163, 0.3260, 0.2190



44.4163, 0.4833, 0.3116



44.4163, 0.2751, 0.4907



44.4163, 0.1652, 0.3121

Sweetspot

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



44.4183, 0.3260, 0.2190



79.1332, 0.3161, 0.2967



29.3230, 0.2255, 0.1780



16.3268, 0.3166, 0.2917



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.



44.4183, 0.3260, 0.2190



38.3410, 0.3291, 0.2007



41.2798, 0.3872, 0.2743



18.2762, 0.3149, 0.3073



14.2953, 0.3402, 0.1648



1.3984, 0.3377, 0.1634

Inverse Universe

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



44.4183, 0.3260, 0.2190



38.3410, 0.3291, 0.2007



80.6578, 0.2728, 0.3937



18.2762, 0.3149, 0.3073



14.2953, 0.3402, 0.1648



1.3984, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 44.4163, 0.3260, 0.2190 looks on a white background.

Color Contrast Check

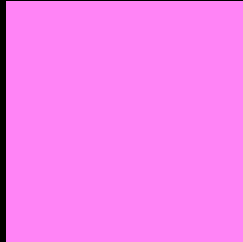
Large Text (above 18pt) WCAG AA × Fail

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 44.4163, 0.3260, 0.2190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

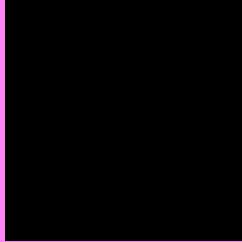
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4163, 0.3260, 0.2190

Background



This preview shows how black text looks on a background with the Yxy color 44.4163, 0.3260, 0.2190.



This preview shows how white text looks on a background with the Yxy color 44.4163, 0.3260, 0.2190.

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

44.4163, 0.3260, 0.2190

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.5144, 0.2576, 0.2511



Tritanopia

44.1900, 0.3958, 0.3161

Trichromacy



Original Color

44.4163, 0.3260, 0.2190



Protanomaly

42.9887, 0.2665, 0.2241



Deuteranomaly

42.8829, 0.2793, 0.2347



Tritanomaly

43.9365, 0.3703, 0.2773

Monochromacy



Original Color

44.4163, 0.3260, 0.2190



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.5140, 0.3186, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4163, 0.3260, 0.2190 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, 132, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 246)  
}
```

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, 132, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 246) }
```

Border

The CSS property to change the border of an element to Yxy 44.4163, 0.3260, 0.2190 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, 132, 246) }
```

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

```
.border{ border-color:rgb(255, 132, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4163, 0.3260, 0.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 246) }
```

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

```
.background{ background-color: rgb(255,  
132, 246) }
```

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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