

Converting Colors

$Y_{xy}(44.5049, 0.3378, 0.2327)$

Have a look what the booklet for
Yxy(44.5049, 0.3378, 0.2327)
contains.

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Color

Yxy(44.4711, 0.3377, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	FF87E9
RGB	255, 135, 233
RGB Percent	100%, 53%, 91%
CMY	0.0000, 0.4707, 0.0863
CMYK	0.00, 0.47, 0.09, 0.00
HSL	311°, 100%, 76%
HSV	311°, 47%, 100%
XYZ	64.6209, 44.4711, 82.2639
YIQ	182.0520, 40.0620, 55.9180

Conversions

Conversions Part 2

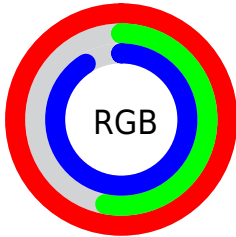
Format	Color
RYB	255, 135, 233
Decimal	16746473
CIELab	72.54, 58.01, -29.50
CIELCh	73, 65.079, 333.047
Yxy	44.4711, 0.3377, 0.2324
Android (android.graphics.Color)	4294936553 (0xFFFF87E9)
YUV	182.0520, 25.1174, 63.9754
Hunter-Lab	66.6867, 56.2689, -26.4588

Details

The Yxy color **44.4711, 0.3377, 0.2324** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1035, 0.2956, 0.4511**, and the grayscale version is **46.6466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.6474, 0.3424, 0.2106** is the 20% darker color. If you saturate the color by 10%, you get **37.9199, 0.3446, 0.2149**, and if you desaturate by 10%, it is **52.7232, 0.3312, 0.2521**.

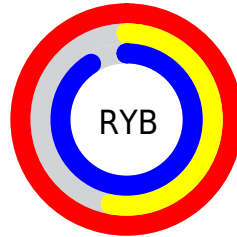
Distribution



Red (100%)

Green (53%)

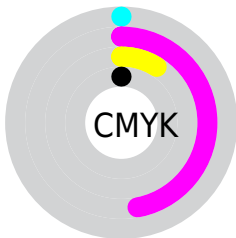
Blue (91%)



Red (100%)

Yellow (53%)

Blue (91%)

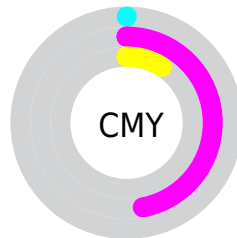


Cyan (0%)

Magenta (47%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4711, 0.3377, 0.2324 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 44.4711, 0.3377, 0.2324 by changing the saturation by 10% instead.


 44.4711, 0.3377,
0.2324


 44.4711, 0.3377,
0.2324


364.6273, 0.3270,
0.2766


 31.0410, 0.3399,
0.2225


 81.9262, 0.3342,
0.2476

 20.6301, 0.3425,
0.2104


 106.7200, 0.3327,
0.2536

 12.8539, 0.3455,
0.1954


 136.0705, 0.3315,
0.2587

 7.3280, 0.3490,
0.1762

170.3620, 0.3304,
0.2632

 3.6681, 0.3530,
0.1512

209.9791, 0.3294,
0.2672

 1.4897, 0.3570,
0.1179

255.3061, 0.3285,

 0.2814, 0.3670,

0.2707

0.0518

306.7273, 0.3277,
0.2738

0.0000, 0.3491,
0.0000

0.0000, 0.0000,
0.0000

44.4711, 0.3377,
0.2324

44.4711, 0.3377,
0.2324

37.9199, 0.3446,
0.2149

52.7232, 0.3312,
0.2521

32.9606, 0.3518,
0.2005

62.8024, 0.3254,
0.2729

29.4479, 0.3590,
0.1903

74.8058, 0.3201,
0.2940

27.2168, 0.3661,
0.1846

88.8279, 0.3156,
0.3148

■ 26.0565, 0.3728,
0.1836

100.0000, 0.3127,
0.3290

■ 25.8261, 0.3747,
0.1838

Harmonies

Analogous

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



44.4711, 0.2500, 0.2015



44.4711, 0.3377, 0.2324



44.4711, 0.4304, 0.2825

Triad

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



44.4711, 0.3377, 0.2324



44.4711, 0.4340, 0.4692



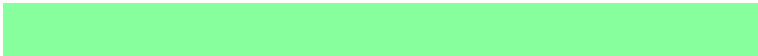
44.4711, 0.1645, 0.2750

Complementary

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



44.4711, 0.3377, 0.2324



79.1035, 0.2956, 0.4511

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.



44.4711, 0.2005, 0.3694



44.4711, 0.3377, 0.2324



44.4711, 0.3549, 0.5004

Square

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



44.4711, 0.3377, 0.2324



44.4711, 0.4855, 0.4085



44.4711, 0.2694, 0.4648



44.4711, 0.1620, 0.2170

Rectangle

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



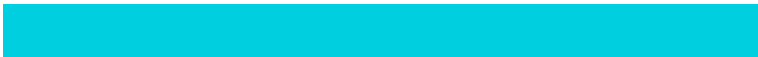
44.4711, 0.3377, 0.2324



44.4711, 0.4746, 0.3224



44.4711, 0.2694, 0.4648



44.4711, 0.1726, 0.3031

Sweetspot

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



44.4662, 0.3377, 0.2324



78.8853, 0.3187, 0.3005



31.7101, 0.2376, 0.1855



16.2658, 0.3197, 0.2959



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.



44.4662, 0.3377, 0.2324



38.5394, 0.3438, 0.2166



41.6000, 0.4001, 0.2897



18.2399, 0.3166, 0.3098



13.5153, 0.3737, 0.1832



1.3301, 0.3665, 0.1793

Inverse Universe

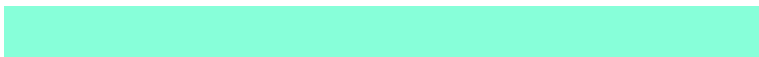
The Inverse Universe completely reimagines the original color for something new.



44.4662, 0.3377, 0.2324



38.5394, 0.3438, 0.2166



81.6790, 0.2670, 0.3742



18.2399, 0.3166, 0.3098



13.5153, 0.3737, 0.1832



1.3301, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 44.4711, 0.3377, 0.2324 looks on a white background.

Color Contrast Check

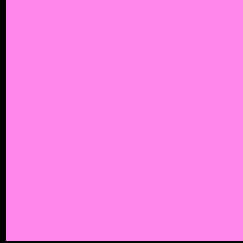
Large Text (above 18pt) WCAG AA × Fail

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 44.4711, 0.3377, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

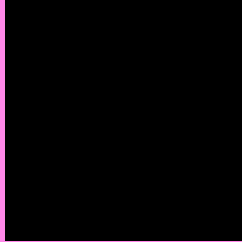
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4711, 0.3377, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 44.4711, 0.3377, 0.2324.

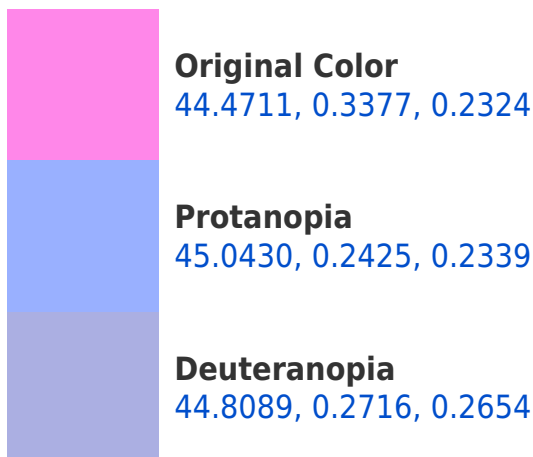


This preview shows how white text looks on a background with the Yxy color 44.4711, 0.3377, 0.2324.

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





Tritanopia

44.5160, 0.3988, 0.3173

Trichromacy



Original Color

44.4711, 0.3377, 0.2324



Protanomaly

43.1523, 0.2707, 0.2301



Deuteranomaly

43.3553, 0.2931, 0.2488



Tritanomaly

44.2056, 0.3762, 0.2836

Monochromacy



Original Color

44.4711, 0.3377, 0.2324



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.6826, 0.3220, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4711, 0.3377, 0.2324 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, 135, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 233)  
}
```

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, 135, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 233) }
```

Border

The CSS property to change the border of an element to Yxy 44.4711, 0.3377, 0.2324 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, 135, 233) }
```

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

```
.border{ border-color:rgb(255, 135, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4711, 0.3377, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 233) }
```

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

```
.background{ background-color: rgb(255,  
135, 233) }
```

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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