

Converting Colors

$Y_{xy}(48.4381, 0.3351, 0.2227)$

Have a look what the booklet for
Yxy(48.4381, 0.3351, 0.2227)
contains.

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Color

Yxy(45.4901, 0.3224, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	FF87FA
RGB	255, 135, 250
RGB Percent	100%, 53%, 98%
CMY	0.0000, 0.4705, 0.0198
CMYK	0.00, 0.47, 0.02, 0.00
HSL	303°, 100%, 76%
HSV	303°, 47%, 100%
XYZ	67.1521, 45.4901, 95.6459
YIQ	183.9900, 34.6050, 61.2050

Conversions

Conversions Part 2

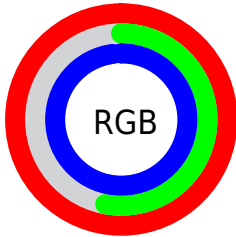
Format	Color
R _Y B	255, 135, 250
Decimal	16746490
CIE Lab	73.21, 60.78, -37.73
CIE LCh	73, 71.540, 328.174
Yxy	45.4901, 0.3224, 0.2184
Android (android.graphics.Color)	4294936570 (0xFFFF87FA)
YUV	183.9900, 32.5429, 62.2758
Hunter-Lab	67.4463, 59.6900, -36.8669

Details

The Yxy color **45.4901, 0.3224, 0.2184** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.5654, 0.3034, 0.4722**, and the grayscale version is **47.7323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **21.1780, 0.3227, 0.1942** is the 20% darker color. If you saturate the color by 10%, you get **39.1402, 0.3246, 0.1990**, and if you desaturate by 10%, it is **53.5482, 0.3202, 0.2404**.

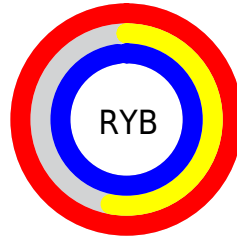
Distribution



Red (100%)

Green (53%)

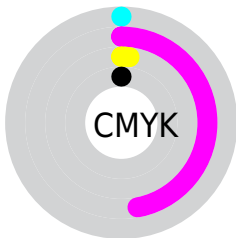
Blue (98%)



Red (100%)

Yellow (53%)

Blue (98%)

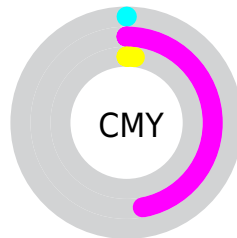


Cyan (0%)

Magenta (47%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4901, 0.3224, 0.2184 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 45.4901, 0.3224, 0.2184 by changing the saturation by 10% instead.


 45.4901, 0.3224,
0.2184

 45.4901, 0.3224,
0.2184


368.7549, 0.3197,
0.2680


 31.8436, 0.3226,
0.2076


 83.4554, 0.3218,
0.2352

 21.2421, 0.3225,
0.1945


 108.5430, 0.3215,
0.2419

 13.3011, 0.3221,
0.1785

 138.2131, 0.3212,
0.2477

 7.6362, 0.3209,
0.1586

172.8501, 0.3209,
0.2527

 3.8631, 0.3182,
0.1332

212.8383, 0.3206,
0.2572

 1.5973, 0.3122,
0.1008

258.5623, 0.3203,

 0.3557, 0.3023,

0.2612

0.0478

310.4063, 0.3200,
0.2648

0.0000, 0.2685,
0.0000

0.0000, 0.0000,
0.0000

45.4901, 0.3224,
0.2184

45.4901, 0.3224,
0.2184

39.1402, 0.3246,
0.1990

53.5482, 0.3202,
0.2404

34.3688, 0.3266,
0.1831

63.4198, 0.3180,
0.2640

31.0376, 0.3285,
0.1713

75.2088, 0.3159,
0.2883

28.9817, 0.3301,
0.1639

89.0096, 0.3140,
0.3124

■ 27.9906, 0.3315,
0.1607

99.9993, 0.3127,
0.3290

■ 27.8080, 0.3319,
0.1602

Harmonies

Analogous

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



45.4901, 0.2319, 0.1895



45.4901, 0.3224, 0.2184



45.4901, 0.4258, 0.2686

Triad

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



45.4901, 0.3224, 0.2184



45.4901, 0.4533, 0.4685



45.4901, 0.1573, 0.2832

Complementary

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



45.4901, 0.3224, 0.2184



78.5654, 0.3034, 0.4722

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.



45.4901, 0.2008, 0.3916



45.4901, 0.3224, 0.2184



45.4901, 0.3709, 0.5141

Square

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



45.4901, 0.3224, 0.2184



45.4901, 0.5035, 0.4001



45.4901, 0.2787, 0.4913



45.4901, 0.1498, 0.2149

Rectangle

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



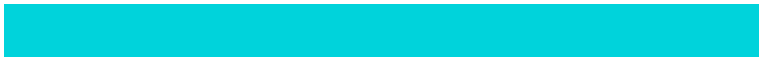
45.4901, 0.3224, 0.2184



45.4901, 0.4796, 0.3097



45.4901, 0.2787, 0.4913



45.4901, 0.1675, 0.3160

Sweetspot

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



45.4921, 0.3224, 0.2184



79.2035, 0.3153, 0.2957



30.0440, 0.2253, 0.1812



16.3442, 0.3158, 0.2905



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.



45.4921, 0.3224, 0.2184



39.7321, 0.3243, 0.2009



42.3548, 0.3802, 0.2715



18.2864, 0.3145, 0.3066



14.5366, 0.3317, 0.1601



1.4193, 0.3304, 0.1594

Inverse Universe

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



45.4921, 0.3224, 0.2184



39.7321, 0.3243, 0.2009



80.7940, 0.2754, 0.3970



18.2864, 0.3145, 0.3066



14.5366, 0.3317, 0.1601



1.4193, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 45.4901, 0.3224, 0.2184 looks on a white background.

Color Contrast Check

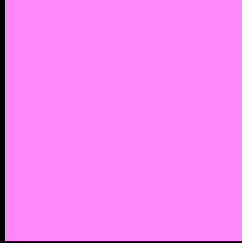
Large Text (above 18pt) WCAG AA × Fail

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 45.4901, 0.3224, 0.2184 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 45.4901, 0.3224, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 45.4901, 0.3224, 0.2184.



This preview shows how white text looks on a background with the Yxy color 45.4901, 0.3224, 0.2184.

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

45.4901, 0.3224, 0.2184

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

45.6416, 0.2563, 0.2496



Tritanopia

45.2769, 0.3916, 0.3161

Trichromacy



Original Color

45.4901, 0.3224, 0.2184



Protanomaly

44.0089, 0.2676, 0.2259



Deuteranomaly

44.1690, 0.2767, 0.2343



Tritanomaly

45.0384, 0.3655, 0.2763

Monochromacy



Original Color

45.4901, 0.3224, 0.2184



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.5281, 0.3168, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4901, 0.3224, 0.2184 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 250) }
```

Border

The CSS property to change the border of an element to Yxy 45.4901, 0.3224, 0.2184 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, 250) }
```

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

```
.border{ border-color:rgb(255, 135, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4901, 0.3224, 0.2184 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
135, 250) }
```

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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