

Converting Colors

$Y_{xy}(45.9021, 0.3511, 0.2531)$

Have a look what the booklet for
Yxy(45.9021, 0.3511, 0.2531)
contains.

Yxy(45.9669, 0.3510, 0.2532)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9669, 0.3510, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FDA
RGB	255, 143, 218
RGB Percent	100%, 56%, 85%
CMY	0.0000, 0.4392, 0.1450
CMYK	0.00, 0.44, 0.15, 0.00
HSL	320°, 100%, 78%
HSV	320°, 44%, 100%
XYZ	63.7219, 45.9669, 71.8551
YIQ	185.0380, 42.6770, 47.0690

Conversions

Conversions Part 2

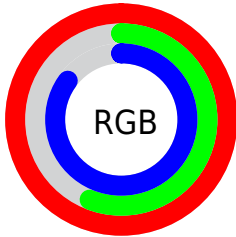
Format	Color
R _Y B	255, 143, 218
Decimal	16748506
CIE Lab	73.52, 51.73, -19.77
CIE LCh	74, 55.380, 339.081
Yxy	45.9669, 0.3510, 0.2532
Android (android.graphics.Color)	4294938586 (0xFFFF8FDA)
YUV	185.0380, 16.2503, 61.3567
Hunter-Lab	67.7989, 49.1180, -15.3779

Details

The Yxy color **45.9669, 0.3510, 0.2532** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.6539, 0.2884, 0.4205**, and the grayscale version is **48.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **21.5249, 0.3599, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **38.7319, 0.3634, 0.2376**, and if you desaturate by 10%, it is **54.9642, 0.3400, 0.2703**.

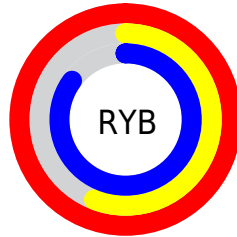
Distribution



Red (100%)

Green (56%)

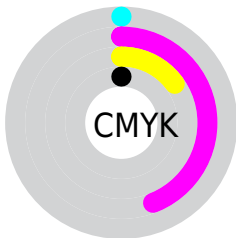
Blue (85%)



Red (100%)

Yellow (56%)

Blue (85%)

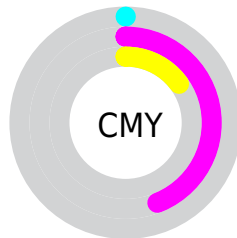


Cyan (0%)

Magenta (44%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9669, 0.3510, 0.2532 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 45.9669, 0.3510, 0.2532 by changing the saturation by 10% instead.

 45.9669, 0.3510,
0.2532


 45.9669, 0.3510,
0.2532


370.6756, 0.3331,
0.2886

 32.2197, 0.3551,
0.2451


 84.1695, 0.3447,
0.2655

 21.5294, 0.3603,
0.2351


 109.3936, 0.3423,
0.2703

 13.5115, 0.3668,
0.2224


139.2122, 0.3402,
0.2744

 7.7817, 0.3753,
0.2059

174.0096, 0.3384,
0.2780

 3.9556, 0.3868,
0.1837

214.1703, 0.3368,
0.2811

 1.6487, 0.4032,
0.1525

260.0786, 0.3354,

 0.3901, 0.4361,

0.2839

0.0892

312.1189, 0.3342,
0.2864

■ 0.0000, 0.4914,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9669, 0.3510,
0.2532

■ 45.9669, 0.3510,
0.2532

■ 38.7319, 0.3634,
0.2376

■ 54.9642, 0.3400,
0.2703

■ 33.1392, 0.3769,
0.2245

■ 65.8322, 0.3304,
0.2880

■ 29.0542, 0.3912,
0.2152

■ 78.6707, 0.3221,
0.3056

■ 26.3206, 0.4058,
0.2106

■ 93.5722, 0.3151,
0.3226

■ 24.7472, 0.4202,
0.2111

100.0000, 0.3127,
0.3290

■ 24.1927, 0.4287,
0.2135

Harmonies

Analogous

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



45.9669, 0.2734, 0.2218



45.9669, 0.3510, 0.2532



45.9669, 0.4250, 0.3004

Triad

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



45.9669, 0.3510, 0.2532



45.9669, 0.4069, 0.4586



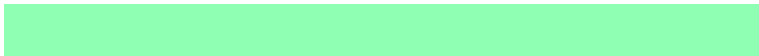
45.9669, 0.1815, 0.2722

Complementary

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



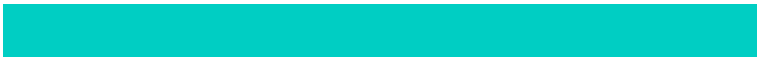
45.9669, 0.3510, 0.2532



80.6539, 0.2884, 0.4205

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.



45.9669, 0.2083, 0.3466



45.9669, 0.3510, 0.2532



45.9669, 0.3367, 0.4708

Square

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



45.9669, 0.3510, 0.2532



45.9669, 0.4555, 0.4125



45.9669, 0.2639, 0.4276



45.9669, 0.1843, 0.2271

Rectangle

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



45.9669, 0.3510, 0.2532



45.9669, 0.4565, 0.3370



45.9669, 0.2639, 0.4276



45.9669, 0.1870, 0.2942

Sweetspot

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



45.9670, 0.3510, 0.2532



79.9578, 0.3214, 0.3072



36.3841, 0.2547, 0.2000



16.4615, 0.3231, 0.3034



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.



45.9670, 0.3510, 0.2532



39.3287, 0.3622, 0.2389



43.5675, 0.4078, 0.3078



18.1924, 0.3189, 0.3132



12.6700, 0.4265, 0.2123



1.2539, 0.4113, 0.2039

Inverse Universe

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



45.9670, 0.3510, 0.2532



39.3287, 0.3622, 0.2389



83.3267, 0.2624, 0.3526



18.1924, 0.3189, 0.3132



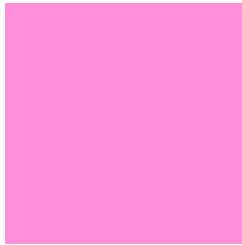
12.6700, 0.4265, 0.2123



1.2539, 0.4113, 0.2039

Previews

White Background



This preview shows how the Yxy color 45.9669, 0.3510, 0.2532 looks on a white background.

Color Contrast Check

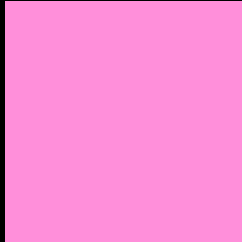
Large Text (above 18pt) WCAG AA × Fail

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 45.9669, 0.3510, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

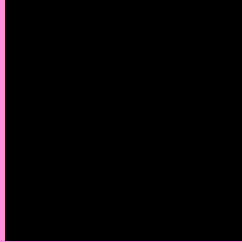
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9669, 0.3510, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 45.9669, 0.3510, 0.2532.

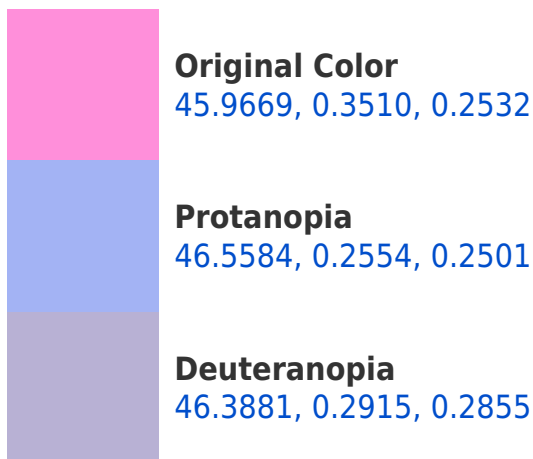


This preview shows how white text looks on a background with the Yxy color 45.9669, 0.3510, 0.2532.

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

45.9676, 0.3964, 0.3174

Trichromacy



Original Color

45.9669, 0.3510, 0.2532



Protanomaly

45.0064, 0.2840, 0.2487



Deuteranomaly

45.4669, 0.3119, 0.2718



Tritanomaly

45.7826, 0.3800, 0.2931

Monochromacy



Original Color

45.9669, 0.3510, 0.2532



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.4823, 0.3258, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9669, 0.3510, 0.2532 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 218) }
```

Border

The CSS property to change the border of an element to Yxy 45.9669, 0.3510, 0.2532 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, 218) }
```

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

```
.border{ border-color:rgb(255, 143, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9669, 0.3510, 0.2532 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
143, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor