

# Converting Colors

Yxy(56.2042, 0.3944, 0.2637)

Have a look what the booklet for  
Yxy(56.2042, 0.3944, 0.2637)  
contains.

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# Color

**Yxy(45.6680, 0.3511, 0.2523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8EDA
RGB	255, 142, 218
RGB Percent	100%, 56%, 85%
CMY	0.0002, 0.4430, 0.1451
CMYK	0.00, 0.44, 0.14, 0.00
HSL	320°, 100%, 78%
HSV	320°, 44%, 100%
XYZ	63.5515, 45.6680, 71.7873
YIQ	184.4510, 42.9520, 47.5920

# Conversions

## Conversions Part 2

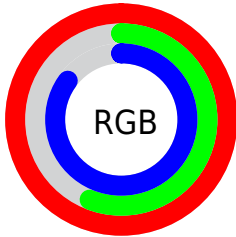
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 142, 218
Decimal	16748250
CIE Lab	73.33, 52.18, -20.05
CIE LCh	73, 55.899, 338.976
Yxy	45.6680, 0.3511, 0.2523
Android (android.graphics.Color)	4294938330 (0xFFFF8EDA)
YUV	184.4510, 16.5397, 61.8715
Hunter-Lab	67.5781, 49.6024, -15.6783

# Details

The Yxy color  $45.6680, 0.3511, 0.2523$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $80.4942, 0.2885, 0.4218$ , and the grayscale version is  $48.0881, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $68.8682, 0.3153, 0.2732$ , and  $21.3596, 0.3601, 0.2340$  is the 20% darker color. If you saturate the color by 10%, you get  $38.5029, 0.3634, 0.2367$ , and if you desaturate by 10%, it is  $54.5942, 0.3401, 0.2695$ .

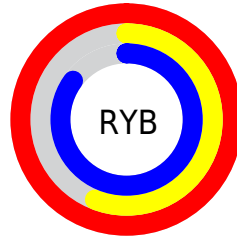
# Distribution



Red (100%)

Green (56%)

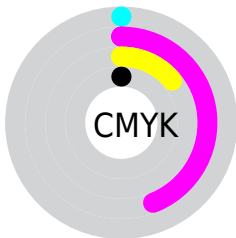
Blue (85%)



Red (100%)

Yellow (56%)

Blue (85%)

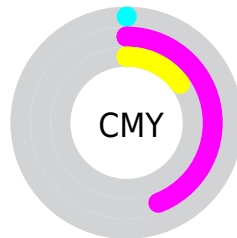


Cyan (0%)

Magenta (44%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6680, 0.3511, 0.2523 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 45.6680, 0.3511, 0.2523 by changing the saturation by 10% instead.




 45.6680, 0.3511,  
0.2523

 45.6680, 0.3511,  
0.2523


369.4723, 0.3331,  
0.2881

 31.9839, 0.3552,  
0.2441


 83.7219, 0.3448,  
0.2648

 21.3492, 0.3604,  
0.2340


 108.8605, 0.3424,  
0.2696

 13.3795, 0.3669,  
0.2211


138.5861, 0.3403,  
0.2738

 7.6904, 0.3754,  
0.2045

173.2830, 0.3385,  
0.2774

 3.8975, 0.3869,  
0.1820

213.3357, 0.3369,  
0.2805

 1.6164, 0.4032,  
0.1505

259.1286, 0.3355,

 0.3686, 0.4368,

0.2834

0.0851

311.0460, 0.3342,  
0.2859

0.0000, 0.4888,  
0.0000

0.0000, 0.0000,  
0.0000

45.6680, 0.3511,  
0.2523

45.6680, 0.3511,  
0.2523

38.5029, 0.3634,  
0.2367

54.5942, 0.3401,  
0.2695

32.9723, 0.3768,  
0.2237

65.3838, 0.3306,  
0.2872

28.9431, 0.3910,  
0.2145

78.1391, 0.3223,  
0.3049

26.2579, 0.4055,  
0.2100

92.9527, 0.3154,  
0.3220

■ 24.7243, 0.4196,  
0.2107

99.9896, 0.3127,  
0.3290

■ 24.2087, 0.4275,  
0.2129

# Harmonies

## Analogous

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



45.6680, 0.2727, 0.2207



45.6680, 0.3511, 0.2523



45.6680, 0.4260, 0.2999

# Triad

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



45.6680, 0.3511, 0.2523



45.6680, 0.4080, 0.4598



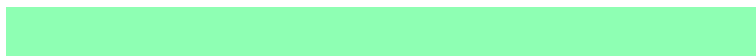
45.6680, 0.1803, 0.2716

# Complementary

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



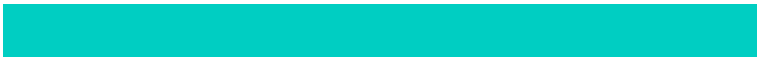
45.6680, 0.3511, 0.2523



80.4942, 0.2885, 0.4218

# 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.



45.6680, 0.2073, 0.3470



45.6680, 0.3511, 0.2523



45.6680, 0.3370, 0.4726

# Square

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



45.6680, 0.3511, 0.2523



45.6680, 0.4571, 0.4129



45.6680, 0.2635, 0.4291



45.6680, 0.1831, 0.2261



# Rectangle

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



45.6680, 0.3511, 0.2523



45.6680, 0.4581, 0.3367



45.6680, 0.2635, 0.4291



45.6680, 0.1859, 0.2939

# Sweetspot

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



45.6701, 0.3511, 0.2523



79.9636, 0.3214, 0.3071



36.0165, 0.2541, 0.1988



16.4629, 0.3230, 0.3033



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.



45.6701, 0.3511, 0.2523



39.3481, 0.3618, 0.2386



43.2439, 0.4089, 0.3076



18.1933, 0.3188, 0.3131



12.6845, 0.4253, 0.2117



1.2552, 0.4104, 0.2034



# Inverse Universe

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



45.6701, 0.3511, 0.2523



39.3481, 0.3618, 0.2386



83.1943, 0.2620, 0.3528



18.1933, 0.3188, 0.3131



12.6845, 0.4253, 0.2117

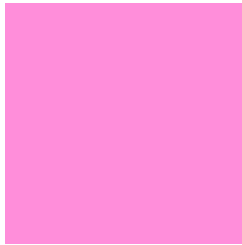


1.2552, 0.4104, 0.2034



# Previews

## White Background



This preview shows how the Yxy color 45.6680, 0.3511, 0.2523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

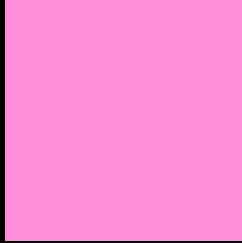
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6680, 0.3511, 0.2523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

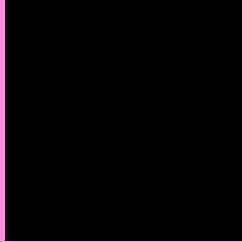
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6680, 0.3511, 0.2523**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6680, 0.3511, 0.2523.

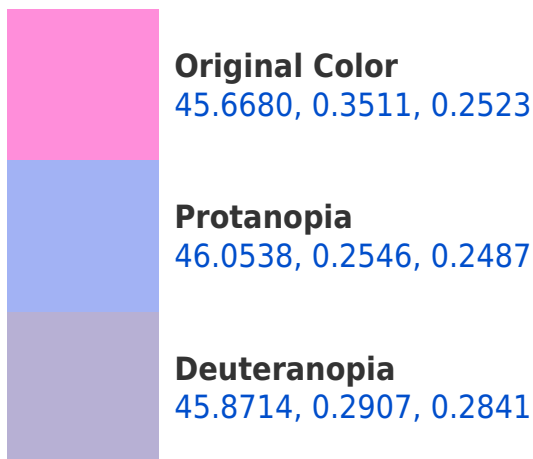


This preview shows how white text looks on a background with the Yxy color 45.6680, 0.3511, 0.2523.

# 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

45.6025, 0.3978, 0.3174

# Trichromacy



## Original Color

45.6680, 0.3511, 0.2523



## Protanomaly

44.6442, 0.2839, 0.2475



## Deuteranomaly

44.9613, 0.3110, 0.2705



## Tritanomaly

45.4648, 0.3802, 0.2921

# Monochromacy



## Original Color

45.6680, 0.3511, 0.2523



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.0631, 0.3268, 0.2967

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6680, 0.3511, 0.2523 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, 142, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 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, 142, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6680, 0.3511, 0.2523 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, 142, 218) }
```

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

```
.border{ border-color:rgb(255, 142, 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, 142, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6680, 0.3511, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 218) }
```

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

```
.background{ background-color: rgb(255,  
142, 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](#).

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