

# Converting Colors

$Y_{xy}(45.6195, 0.3558, 0.2720)$

Have a look what the booklet for  
Yxy(45.6195, 0.3558, 0.2720)  
contains.

<b>Yxy(45.7173, 0.3562, 0.2728)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.7173, 0.3562, 0.2728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F696CB
RGB	246, 150, 203
RGB Percent	96%, 59%, 80%
CMY	0.0353, 0.4118, 0.2039
CMYK	0.00, 0.39, 0.17, 0.04
HSL	327°, 84%, 78%
HSV	327°, 39%, 96%
XYZ	59.6939, 45.7173, 62.1742
YIQ	184.7460, 40.2030, 36.8350

# Conversions

## Conversions Part 2

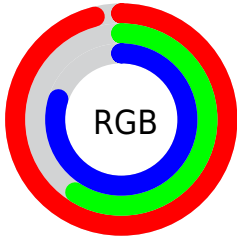
Format	Color
R <sub>Y</sub> B	246, 150, 203
Decimal	16160459
CIE Lab	73.36, 43.01, -11.85
CIE LCh	73, 44.611, 344.591
Yxy	45.7173, 0.3562, 0.2728
Android (android.graphics.Color)	4294350539 (0xFFFF696CB)
YUV	184.7460, 8.9992, 53.7198
Hunter-Lab	67.6146, 39.2643, -7.1892

# Details

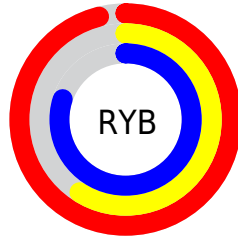
The Yxy color **45.7173, 0.3562, 0.2728** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.2533, 0.2848, 0.3937**, and the grayscale version is **48.3008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **21.4107, 0.3676, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **38.1681, 0.3725, 0.2589**, and if you desaturate by 10%, it is **54.9561, 0.3422, 0.2875**.

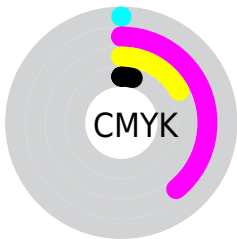
# Distribution



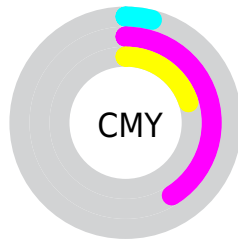
- Red (96%)
- Green (59%)
- Blue (80%)



- Red (96%)
- Yellow (59%)
- Blue (80%)



- Cyan (0%)
- Magenta (39%)
- Yellow (17%)
- Black (4%)




- Cyan (4%)
- Magenta (41%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7173, 0.3562, 0.2728 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 45.7173, 0.3562, 0.2728 by changing the saturation by 10% instead.





 45.7173, 0.3562,  
0.2728


 45.7173, 0.3562,  
0.2728


369.6709, 0.3351,  
0.2997

 32.0228, 0.3613,  
0.2665


 83.7958, 0.3487,  
0.2823

 21.3789, 0.3677,  
0.2585


 108.9485, 0.3458,  
0.2859

 13.4013, 0.3761,  
0.2483


138.6894, 0.3433,  
0.2890

 7.7054, 0.3875,  
0.2347

173.4030, 0.3412,  
0.2917

 3.9070, 0.4037,  
0.2157

213.4735, 0.3394,  
0.2941

 1.6217, 0.4287,  
0.1875

259.2854, 0.3378,

 0.3722, 0.4852,

0.2962

0.1174

311.2231, 0.3363,  
0.2980

0.0000, 0.9249,  
0.0000

0.0000, 0.0000,  
0.0000

45.7173, 0.3562,  
0.2728

45.7173, 0.3562,  
0.2728

38.1681, 0.3725,  
0.2589

54.9561, 0.3422,  
0.2875

32.1973, 0.3910,  
0.2469

65.9737, 0.3302,  
0.3023

27.6906, 0.4113,  
0.2380

78.8608, 0.3203,  
0.3167

24.5149, 0.4327,  
0.2333

93.6999, 0.3120,  
0.3303

■ 22.5129, 0.4544,  
0.2339

■ 98.3348, 0.3072,  
0.3290

■ 21.4489, 0.4753,  
0.2396

■ 21.3664, 0.4773,  
0.2403

# Harmonies

## Analogous

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



45.7173, 0.2922, 0.2432



45.7173, 0.3562, 0.2728



45.7173, 0.4118, 0.3150

# Triad

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



45.7173, 0.3562, 0.2728



45.7173, 0.3822, 0.4394



45.7173, 0.2022, 0.2754

# Complementary

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



45.7173, 0.3562, 0.2728



76.2533, 0.2848, 0.3937

# 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.



45.7173, 0.2210, 0.3322



45.7173, 0.3562, 0.2728



45.7173, 0.3230, 0.4383

# Square

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



45.7173, 0.3562, 0.2728



45.7173, 0.4251, 0.4084



45.7173, 0.2641, 0.3964



45.7173, 0.2088, 0.2413



# Rectangle

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



45.7173, 0.3562, 0.2728



45.7173, 0.4330, 0.3467



45.7173, 0.2641, 0.3964



45.7173, 0.2056, 0.2922

# Sweetspot

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



45.7194, 0.3562, 0.2728



81.1548, 0.3231, 0.3124



39.6226, 0.2716, 0.2188



16.9710, 0.3243, 0.3105



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.



45.7194, 0.3562, 0.2728



42.8611, 0.3692, 0.2615



43.8218, 0.4042, 0.3223



16.6356, 0.3207, 0.3160



11.4321, 0.4741, 0.2385



1.0255, 0.4495, 0.2250



# Inverse Universe

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



45.7194, 0.3562, 0.2728



42.8611, 0.3692, 0.2615



78.6704, 0.2616, 0.3362



16.6356, 0.3207, 0.3160



11.4321, 0.4741, 0.2385

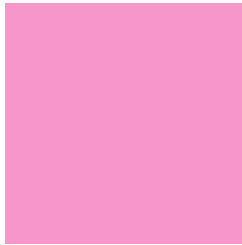


1.0255, 0.4495, 0.2250



# Previews

## White Background



This preview shows how the Yxy color 45.7173, 0.3562, 0.2728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

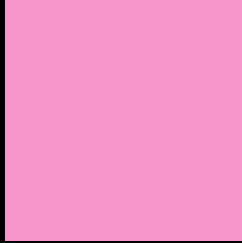
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7173, 0.3562, 0.2728 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 45.7173, 0.3562, 0.2728**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.7173, 0.3562, 0.2728.

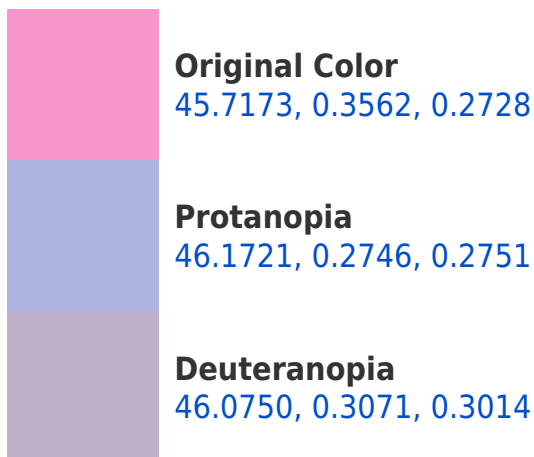


This preview shows how white text looks on a background with the Yxy color 45.7173, 0.3562, 0.2728.

# 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

45.8183, 0.3857, 0.3171

# Trichromacy



## Original Color

45.7173, 0.3562, 0.2728



## Protanomaly

44.9173, 0.3007, 0.2725



## Deuteranomaly

45.5092, 0.3235, 0.2897



## Tritanomaly

45.5021, 0.3744, 0.2996

# Monochromacy



## Original Color

45.7173, 0.3562, 0.2728



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

46.5762, 0.3272, 0.3048

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7173, 0.3562, 0.2728 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(246, 150, 203)` looks like.

```
.text, #text, p{  
    color:rgb(246, 150, 203)  
}
```

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(246, 150, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 150, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7173, 0.3562, 0.2728 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(246, 150, 203) }
```

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

```
.border{ border-color:rgb(246, 150, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 150, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 150, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 150, 203);  
box-shadow:4px 4px 4px 4px rgb(246, 150,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7173, 0.3562, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 150, 203) }
```

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

```
.background{ background-color: rgb(246,  
150, 203) }
```

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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