

# Converting Colors

$Y_{xy}(32.5021, 0.3945, 0.2373)$

Have a look what the booklet for  
Yxy(32.5021, 0.3945, 0.2373)  
contains.

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**Color**

**Yxy(32.5021, 0.3945, 0.2373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5CBB
RGB	255, 92, 187
RGB Percent	100%, 36%, 73%
CMY	0.0000, 0.6391, 0.2667
CMYK	0.00, 0.64, 0.27, 0.00
HSL	325°, 100%, 68%
HSV	325°, 64%, 100%
XYZ	54.0332, 32.5021, 50.4310
YIQ	151.5670, 66.6530, 64.1010

# Conversions

## Conversions Part 2

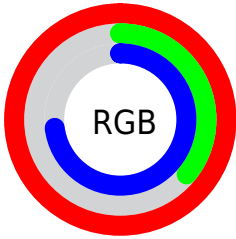
Format	Color
R <sub>Y</sub> B	255, 92, 187
Decimal	16735419
CIE Lab	63.76, 70.43, -17.23
CIE LCh	64, 72.504, 346.251
Yxy	32.5021, 0.3945, 0.2373
Android (android.graphics.Color)	4294925499 (0xFFFF5CBB)
YUV	151.5670, 17.4685, 90.7107
Hunter-Lab	57.0106, 69.4092, -12.5399

# Details

The Yxy color **32.5021, 0.3945, 0.2373** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **76.3304, 0.2762, 0.4533**, and the grayscale version is **31.1086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8643, 0.3274, 0.2384**, and **13.6232, 0.4172, 0.2123** is the 20% darker color. If you saturate the color by 10%, you get **28.3645, 0.4137, 0.2297**, and if you desaturate by 10%, it is **38.1628, 0.3766, 0.2486**.

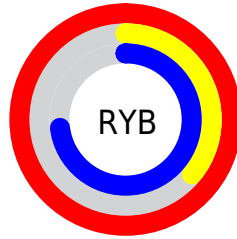
# Distribution



Red (100%)

Green (36%)

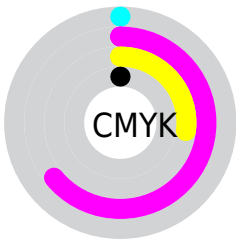
Blue (73%)



Red (100%)

Yellow (36%)

Blue (73%)

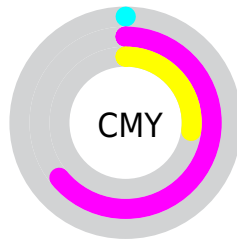


Cyan (0%)

Magenta (64%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (64%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5021, 0.3945, 0.2373 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 32.5021, 0.3945, 0.2373 by changing the saturation by 10% instead.




 32.5021, 0.3945,  
0.2373


 32.5021, 0.3945,  
0.2373


313.4002, 0.3532,  
0.2821


 21.7453, 0.4048,  
0.2265


 63.5974, 0.3795,  
0.2533


 13.6699, 0.4181,  
0.2130


 84.7047, 0.3738,  
0.2594

 7.8914, 0.4357,  
0.1956

 110.0309, 0.3691,  
0.2646

 4.0255, 0.4600,  
0.1723

 139.9605, 0.3650,  
0.2690

 1.6879, 0.4956,  
0.1403

174.8778, 0.3615,  
0.2729

 0.4158, 0.5597,  
0.0813

215.1673, 0.3584,

 0.0000, 0.7053,

0.2764

0.0000

261.2133, 0.3557,  
0.2794

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

32.5021, 0.3945,  
0.2373

32.5021, 0.3945,  
0.2373

28.3645, 0.4137,  
0.2297

38.1628, 0.3766,  
0.2486

25.5883, 0.4335,  
0.2269

45.4766, 0.3606,  
0.2624

23.9838, 0.4530,  
0.2295

54.5655, 0.3465,  
0.2776

23.4152, 0.4646,  
0.2333

65.5381, 0.3344,  
0.2932

 78.4946, 0.3242,  
0.3086

 93.5278, 0.3157,  
0.3234

99.9985, 0.3127,  
0.3290

# Harmonies

## Analogous

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



32.5021, 0.2786, 0.1915



32.5021, 0.3945, 0.2373



32.5021, 0.4967, 0.3006

# Triad

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



32.5021, 0.3945, 0.2373



32.5021, 0.4118, 0.5200



32.5021, 0.1328, 0.2243

# Complementary

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



32.5021, 0.3945, 0.2373



76.3304, 0.2762, 0.4533

# 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.



32.5021, 0.1542, 0.3197



32.5021, 0.3945, 0.2373



32.5021, 0.3115, 0.5382

# Square

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



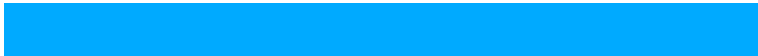
32.5021, 0.3945, 0.2373



32.5021, 0.4942, 0.4490



32.5021, 0.2166, 0.4532



32.5021, 0.1460, 0.1792



# Rectangle

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



32.5021, 0.3945, 0.2373



32.5021, 0.5291, 0.3475



32.5021, 0.2166, 0.4532



32.5021, 0.1358, 0.2499

# Sweetspot

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



32.5038, 0.3945, 0.2373



71.6535, 0.3292, 0.3008



22.3435, 0.2335, 0.1435



14.5625, 0.3322, 0.2964



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.



32.5038, 0.3945, 0.2373



27.3717, 0.4198, 0.2283



29.9489, 0.5048, 0.3173



18.1646, 0.3202, 0.3152



12.2663, 0.4616, 0.2316



1.2161, 0.4411, 0.2203



# Inverse Universe

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



32.5038, 0.3945, 0.2373



27.3717, 0.4198, 0.2283



80.1668, 0.2415, 0.3450



18.1646, 0.3202, 0.3152



12.2663, 0.4616, 0.2316



1.2161, 0.4411, 0.2203



# Previews

## White Background



This preview shows how the Yxy color 32.5021, 0.3945, 0.2373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

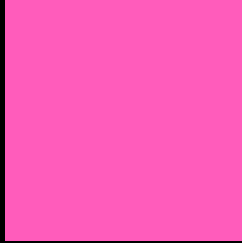
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.5021, 0.3945, 0.2373 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 32.5021, 0.3945, 0.2373**

## Background



This preview shows how black text looks on a background with the Yxy color 32.5021, 0.3945, 0.2373.



This preview shows how white text looks on a background with the Yxy color 32.5021, 0.3945, 0.2373.

# 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

32.5021, 0.3945, 0.2373

### Protanopia

32.8152, 0.2343, 0.2225

### Deuteranopia

32.7185, 0.2961, 0.2901



## Tritanopia

32.3614, 0.4743, 0.3215

# Trichromacy



## Original Color

32.5021, 0.3945, 0.2373



## Protanomaly

29.8702, 0.2780, 0.2202



## Deuteranomaly

30.7708, 0.3298, 0.2631



## Tritanomaly

32.1627, 0.4466, 0.2901

# Monochromacy



## Original Color

32.5021, 0.3945, 0.2373



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

29.5007, 0.3417, 0.2819

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.5021, 0.3945, 0.2373 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, 92, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 187)  
}
```

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, 92, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 32.5021, 0.3945, 0.2373 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, 92, 187) }
```

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

```
.border{ border-color:rgb(255, 92, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.5021, 0.3945, 0.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 187) }
```

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

```
.background{ background-color: rgb(255, 92,  
187) }
```

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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