

# Converting Colors

$Y_{xy}(50.8792, 0.3223, 0.2352)$

Have a look what the booklet for  
Yxy(50.8792, 0.3223, 0.2352)  
contains.

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# Color

**Yxy(50.8820, 0.3223, 0.2352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99F9
RGB	255, 153, 249
RGB Percent	100%, 60%, 98%
CMY	0.0000, 0.3999, 0.0237
CMYK	0.00, 0.40, 0.02, 0.00
HSL	304°, 100%, 80%
HSV	304°, 40%, 100%
XYZ	69.7248, 50.8820, 95.7283
YIQ	194.4420, 29.9760, 51.4800

# Conversions

## Conversions Part 2

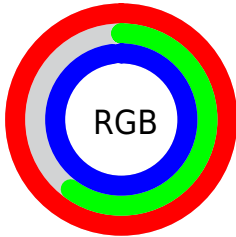
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 153, 249
Decimal	16751097
CIE Lab	76.61, 51.77, -31.93
CIE LCh	77, 60.825, 328.336
Yxy	50.8820, 0.3223, 0.2352
Android (android.graphics.Color)	4294941177 (0xFFFF99F9)
YUV	194.4420, 26.8971, 53.1094
Hunter-Lab	71.3316, 49.6487, -29.6361

# Details

The Yxy color **50.8820, 0.3223, 0.2352** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.7990, 0.3040, 0.4452**, and the grayscale version is **54.0492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **24.5998, 0.3238, 0.2153** is the 20% darker color. If you saturate the color by 10%, you get **43.3142, 0.3250, 0.2141**, and if you desaturate by 10%, it is **60.2368, 0.3197, 0.2581**.

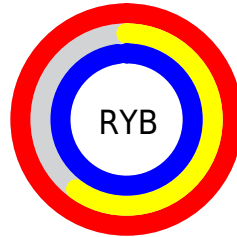
# Distribution



Red (100%)

Green (60%)

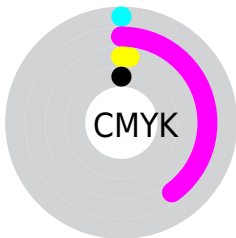
Blue (98%)



Red (100%)

Yellow (60%)

Blue (98%)

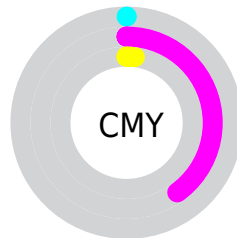


Cyan (0%)

Magenta (40%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8820, 0.3223, 0.2352 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 50.8820, 0.3223, 0.2352 by changing the saturation by 10% instead.





 50.8820, 0.3223,  
0.2352


 50.8820, 0.3223,  
0.2352


390.1052, 0.3191,  
0.2774

 36.1147, 0.3227,  
0.2259


 91.4803, 0.3215,  
0.2495

 24.5228, 0.3231,  
0.2147


 118.0801, 0.3211,  
0.2552

 15.7219, 0.3232,  
0.2009


149.3929, 0.3207,  
0.2601

 9.3276, 0.3231,  
0.1834

185.8031, 0.3203,  
0.2644

 4.9555, 0.3220,  
0.1608

227.6950, 0.3200,  
0.2682

 2.2211, 0.3191,  
0.1310

275.4530, 0.3197,

 0.7315, 0.3115,

0.2716

0.0902

329.4616, 0.3194,  
0.2746

0.0000, 0.3016,  
0.0000

0.0000, 0.0000,  
0.0000

50.8820, 0.3223,  
0.2352

50.8820, 0.3223,  
0.2352

43.3142, 0.3250,  
0.2141

60.2368, 0.3197,  
0.2581

37.4147, 0.3277,  
0.1958

71.4789, 0.3172,  
0.2819

33.0568, 0.3303,  
0.1812

84.7062, 0.3148,  
0.3058

30.0940, 0.3327,  
0.1709

100.0000, 0.3127,  
0.3290

■ 28.3516, 0.3348,  
0.1650

■ 27.5442, 0.3367,  
0.1628

■ 27.5439, 0.3367,  
0.1628

# Harmonies

## Analogous

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



50.8820, 0.2460, 0.2099



50.8820, 0.3223, 0.2352



50.8820, 0.4063, 0.2794

# Triad

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



50.8820, 0.3223, 0.2352



50.8820, 0.4335, 0.4501



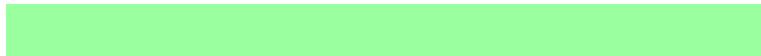
50.8820, 0.1810, 0.2933

# Complementary

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



50.8820, 0.3223, 0.2352



80.7990, 0.3040, 0.4452

# 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.



50.8820, 0.2200, 0.3799



50.8820, 0.3223, 0.2352



50.8820, 0.3651, 0.4811

# Square

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



50.8820, 0.3223, 0.2352



50.8820, 0.4726, 0.3947



50.8820, 0.2869, 0.4579



50.8820, 0.1734, 0.2343



# Rectangle

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



50.8820, 0.3223, 0.2352



50.8820, 0.4500, 0.3157



50.8820, 0.2869, 0.4579



50.8820, 0.1904, 0.3201

# Sweetspot

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



50.8834, 0.3223, 0.2352



81.8902, 0.3153, 0.3010



37.2874, 0.2415, 0.2067



17.1448, 0.3156, 0.2979



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.



50.8834, 0.3223, 0.2352



44.6869, 0.3245, 0.2181



48.1661, 0.3679, 0.2816



18.2807, 0.3147, 0.3069



14.4003, 0.3364, 0.1627



1.4075, 0.3345, 0.1616



# Inverse Universe

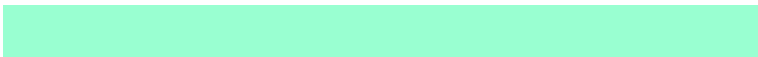
The Inverse Universe completely reimagines the original color for something new.



50.8834, 0.3223, 0.2352



44.6869, 0.3245, 0.2181



82.9023, 0.2790, 0.3829



18.2807, 0.3147, 0.3069



14.4003, 0.3364, 0.1627



1.4075, 0.3345, 0.1616



# Previews

## White Background



This preview shows how the Yxy color 50.8820, 0.3223, 0.2352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

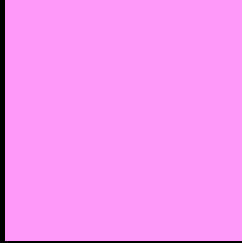
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8820, 0.3223, 0.2352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

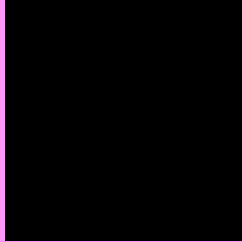
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.8820, 0.3223, 0.2352**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8820, 0.3223, 0.2352.



This preview shows how white text looks on a background with the Yxy color 50.8820, 0.3223, 0.2352.

# 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

50.8820, 0.3223, 0.2352

### Protanopia

51.1957, 0.2544, 0.2496

### Deuteranopia

51.1726, 0.2678, 0.2619



## Tritanopia

50.8934, 0.3743, 0.3162

# Trichromacy



## Original Color

50.8820, 0.3223, 0.2352



## Protanomaly

50.0312, 0.2754, 0.2423



## Deuteranomaly

50.1301, 0.2860, 0.2500



## Tritanomaly

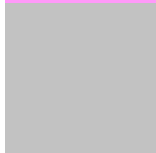
50.7419, 0.3547, 0.2848

# Monochromacy



## Original Color

50.8820, 0.3223, 0.2352



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

51.6942, 0.3163, 0.2890

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8820, 0.3223, 0.2352 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, 153, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 249)  
}
```

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, 153, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8820, 0.3223, 0.2352 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, 153, 249) }
```

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

```
.border{ border-color:rgb(255, 153, 249) }
```

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

Here you see how a box with a 4 pixel rgb(255, 153, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8820, 0.3223, 0.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 249) }
```

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

```
.background{ background-color: rgb(255,  
153, 249) }
```

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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