

# Converting Colors

$Y_{xy}(60.1294, 0.3496, 0.2473)$

Have a look what the booklet for  
Yxy(60.1294, 0.3496, 0.2473)  
contains.

<b>Yxy(53.0213, 0.3203, 0.2390)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.0213, 0.3203, 0.2390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9FFB
RGB	255, 159, 251
RGB Percent	100%, 62%, 98%
CMY	0.0000, 0.3765, 0.0156
CMYK	0.00, 0.38, 0.02, 0.00
HSL	302°, 100%, 81%
HSV	302°, 38%, 100%
XYZ	71.0574, 53.0213, 97.7677
YIQ	198.1920, 27.6840, 48.9640

# Conversions

## Conversions Part 2

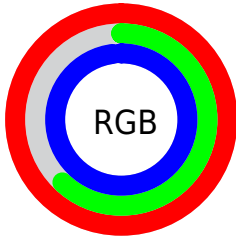
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 159, 251
Decimal	16752635
CIE <sub>Lab</sub>	77.89, 49.11, -31.07
CIE <sub>LCh</sub>	78, 58.113, 327.676
Yxy	53.0213, 0.3203, 0.2390
Android (android.graphics.Color)	4294942715 (0xFFFF9FFB)
YUV	198.1920, 26.0343, 49.8206
Hunter-Lab	72.8157, 46.7622, -28.6361

# Details

The Yxy color **53.0213, 0.3203, 0.2390** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.5338, 0.3053, 0.4393**, and the grayscale version is **56.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **25.8685, 0.3212, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **45.0699, 0.3225, 0.2171**, and if you desaturate by 10%, it is **62.7792, 0.3181, 0.2626**.

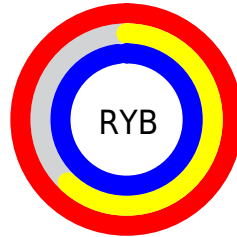
# Distribution



Red (100%)

Green (62%)

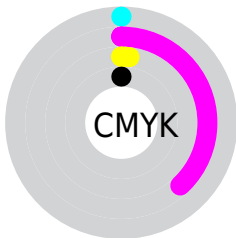
Blue (98%)



Red (100%)

Yellow (62%)

Blue (98%)

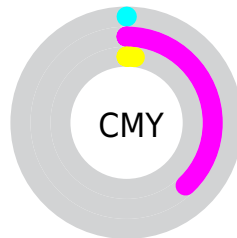


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0213, 0.3203, 0.2390 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 53.0213, 0.3203, 0.2390 by changing the saturation by 10% instead.





 53.0213, 0.3203,  
0.2390

 53.0213, 0.3203,  
0.2390


398.3668, 0.3180,  
0.2794

 37.8198, 0.3205,  
0.2302


 94.6357, 0.3197,  
0.2527

 25.8428, 0.3207,  
0.2194


 121.8174, 0.3194,  
0.2581

 16.7061, 0.3206,  
0.2062


153.7612, 0.3192,  
0.2628

 10.0252, 0.3202,  
0.1895

190.8516, 0.3189,  
0.2670

 5.4157, 0.3189,  
0.1679

233.4730, 0.3187,  
0.2706

 2.4931, 0.3158,  
0.1393

282.0097, 0.3184,

 0.8732, 0.3080,

0.2738

0.1006

336.8462, 0.3182,  
0.2767

0.0000, 0.3027,  
0.0000

0.0000, 0.0000,  
0.0000

53.0213, 0.3203,  
0.2390

53.0213, 0.3203,  
0.2390

45.0699, 0.3225,  
0.2171

62.7792, 0.3181,  
0.2626

38.8169, 0.3246,  
0.1979

74.4501, 0.3160,  
0.2868

34.1367, 0.3267,  
0.1822

88.1275, 0.3141,  
0.3110

30.8875, 0.3285,  
0.1707

100.0000, 0.3127,  
0.3290

■ 28.9028, 0.3301,  
0.1636

■ 27.9622, 0.3315,  
0.1605

■ 27.8170, 0.3318,  
0.1601

# Harmonies

## Analogous

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



53.0213, 0.2483, 0.2152



53.0213, 0.3203, 0.2390



53.0213, 0.3994, 0.2810

# Triad

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



53.0213, 0.3203, 0.2390



53.0213, 0.4290, 0.4436



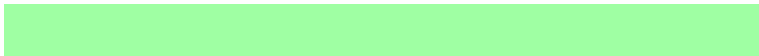
53.0213, 0.1880, 0.2975

# Complementary

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



53.0213, 0.3203, 0.2390



81.5338, 0.3053, 0.4393

# 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.



53.0213, 0.2263, 0.3789



53.0213, 0.3203, 0.2390



53.0213, 0.3648, 0.4721

# Square

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



53.0213, 0.3203, 0.2390



53.0213, 0.4645, 0.3914



53.0213, 0.2905, 0.4506



53.0213, 0.1798, 0.2405



# Rectangle

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



53.0213, 0.3203, 0.2390



53.0213, 0.4410, 0.3158



53.0213, 0.2905, 0.4506



53.0213, 0.1974, 0.3230

# Sweetspot

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



53.0200, 0.3203, 0.2390



83.3161, 0.3147, 0.3029



39.7156, 0.2454, 0.2147



17.4304, 0.3150, 0.2997



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.



53.0200, 0.3203, 0.2390



47.0063, 0.3219, 0.2227



50.4038, 0.3619, 0.2828



18.2866, 0.3144, 0.3065



14.5407, 0.3316, 0.1600



1.4197, 0.3303, 0.1593



# Inverse Universe

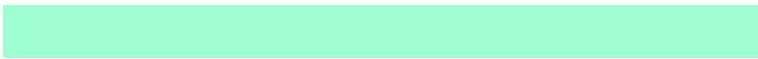
The Inverse Universe completely reimagines the original color for something new.



53.0200, 0.3203, 0.2390



47.0063, 0.3219, 0.2227



83.5532, 0.2815, 0.3811



18.2866, 0.3144, 0.3065



14.5407, 0.3316, 0.1600



1.4197, 0.3303, 0.1593



# Previews

## White Background



This preview shows how the Yxy color 53.0213, 0.3203, 0.2390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

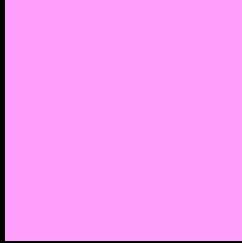
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0213, 0.3203, 0.2390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

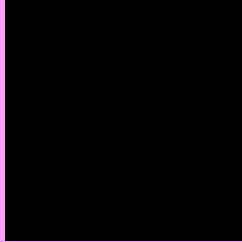
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0213, 0.3203, 0.2390**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0213, 0.3203, 0.2390.



This preview shows how white text looks on a background with the Yxy color 53.0213, 0.3203, 0.2390.

# 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

53.0213, 0.3203, 0.2390

### Protanopia

53.4803, 0.2582, 0.2550

### Deuteranopia

53.1781, 0.2703, 0.2640



## Tritanopia

53.2065, 0.3682, 0.3152

# Trichromacy



## Original Color

53.0213, 0.3203, 0.2390



## Protanomaly

52.0925, 0.2773, 0.2463



## Deuteranomaly

52.2578, 0.2871, 0.2531



## Tritanomaly

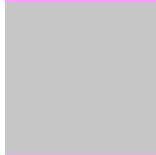
52.9824, 0.3501, 0.2851

# Monochromacy



## Original Color

53.0213, 0.3203, 0.2390



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.3508, 0.3161, 0.2918

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0213, 0.3203, 0.2390 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, 159, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 251)  
}
```

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, 159, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0213, 0.3203, 0.2390 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, 159, 251) }
```

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

```
.border{ border-color:rgb(255, 159, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0213, 0.3203, 0.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 251) }
```

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

```
.background{ background-color: rgb(255,  
159, 251) }
```

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