

Converting Colors

$Y_{xy}(50.5017, 0.3275, 0.2404)$

Have a look what the booklet for
Yxy(50.5017, 0.3275, 0.2404)
contains.

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Color

Yxy(50.5135, 0.3273, 0.2403)

Conversions

Conversions Part 1

Format	Color
Hex	FF99F3
RGB	255, 153, 243
RGB Percent	100%, 60%, 95%
CMY	0.0000, 0.3999, 0.0472
CMYK	0.00, 0.40, 0.05, 0.00
HSL	307°, 100%, 80%
HSV	307°, 40%, 100%
XYZ	68.8018, 50.5135, 90.8949
YIQ	193.7580, 31.9020, 49.6140

Conversions

Conversions Part 2

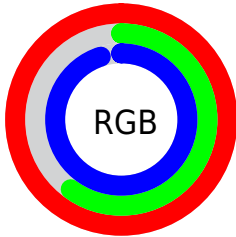
Format	Color
RYB	255, 153, 243
Decimal	16751091
CIELab	76.38, 50.74, -29.04
CIElCh	76, 58.459, 330.219
Yxy	50.5135, 0.3273, 0.2403
Android (android.graphics.Color)	4294941171 (0xFFFF99F3)
YUV	193.7580, 24.2763, 53.7092
Hunter-Lab	71.0728, 48.4187, -26.0748

Details

The Yxy color **50.5135, 0.3273, 0.2403** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.0045, 0.3010, 0.4378**, and the grayscale version is **53.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **24.3819, 0.3295, 0.2204** is the 20% darker color. If you saturate the color by 10%, you get **42.8605, 0.3318, 0.2201**, and if you desaturate by 10%, it is **59.9574, 0.3231, 0.2622**.

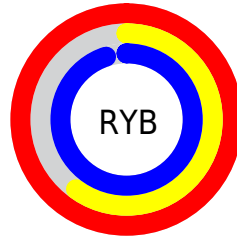
Distribution



Red (100%)

Green (60%)

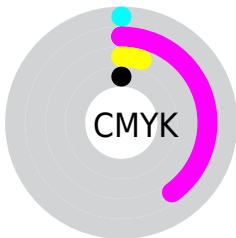
Blue (95%)



Red (100%)

Yellow (60%)

Blue (95%)

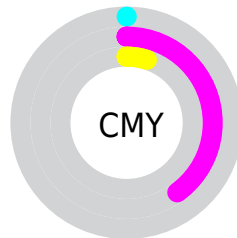


Cyan (0%)

Magenta (40%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5135, 0.3273, 0.2403 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 50.5135, 0.3273, 0.2403 by changing the saturation by 10% instead.


 50.5135, 0.3273,
0.2403

 50.5135, 0.3273,
0.2403


388.6707, 0.3216,
0.2804

 35.8216, 0.3284,
0.2314


 90.9352, 0.3255,
0.2540

 24.2964, 0.3295,
0.2206

 117.4338, 0.3248,
0.2594

 15.5537, 0.3308,
0.2072


148.6368, 0.3241,
0.2641

 9.2089, 0.3320,
0.1902

184.9285, 0.3235,
0.2682

 4.8777, 0.3330,
0.1680

226.6933, 0.3229,
0.2718

 2.1757, 0.3331,
0.1382

274.3157, 0.3224,

 0.7067, 0.3304,

0.2750

0.0962

328.1800, 0.3220,
0.2779

■ 0.0000, 0.3302,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.5135, 0.3273,
0.2403

■ 50.5135, 0.3273,
0.2403

■ 42.8605, 0.3318,
0.2201

■ 59.9574, 0.3231,
0.2622

■ 36.8769, 0.3364,
0.2025

■ 71.2898, 0.3192,
0.2847

■ 32.4370, 0.3411,
0.1885

■ 84.6094, 0.3158,
0.3072

■ 29.3943, 0.3456,
0.1787

99.9972, 0.3127,
0.3290

■ 27.5742, 0.3498,
0.1735

99.9978, 0.3127,
0.3290

■ 26.6914, 0.3537,
0.1722

■ 26.6907, 0.3538,
0.1722

Harmonies

Analogous

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



50.5135, 0.2523, 0.2144



50.5135, 0.3273, 0.2403



50.5135, 0.4075, 0.2843

Triad

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



50.5135, 0.3273, 0.2403



50.5135, 0.4265, 0.4494



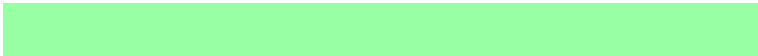
50.5135, 0.1838, 0.2904

Complementary

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



50.5135, 0.3273, 0.2403



81.0045, 0.3010, 0.4378

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.



50.5135, 0.2200, 0.3726



50.5135, 0.3273, 0.2403



50.5135, 0.3592, 0.4758

Square

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



50.5135, 0.3273, 0.2403



50.5135, 0.4661, 0.3971



50.5135, 0.2836, 0.4491



50.5135, 0.1781, 0.2351

Rectangle

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



50.5135, 0.3273, 0.2403



50.5135, 0.4480, 0.3200



50.5135, 0.2836, 0.4491



50.5135, 0.1924, 0.3157

Sweetspot

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



50.5158, 0.3273, 0.2403



81.7765, 0.3164, 0.3027



37.9981, 0.2463, 0.2082



17.1178, 0.3169, 0.2998



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.



50.5158, 0.3273, 0.2403



44.2513, 0.3309, 0.2239



47.8569, 0.3746, 0.2885



18.2613, 0.3156, 0.3083



13.9626, 0.3531, 0.1719



1.3695, 0.3490, 0.1696

Inverse Universe

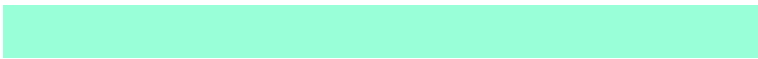
The Inverse Universe completely reimagines the original color for something new.



50.5158, 0.3273, 0.2403



44.2513, 0.3309, 0.2239



83.2393, 0.2757, 0.3745



18.2613, 0.3156, 0.3083



13.9626, 0.3531, 0.1719



1.3695, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 50.5135, 0.3273, 0.2403 looks on a white background.

Color Contrast Check

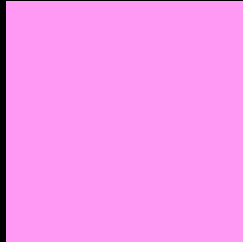
Large Text (above 18pt) WCAG AA × Fail

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 50.5135, 0.3273, 0.2403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

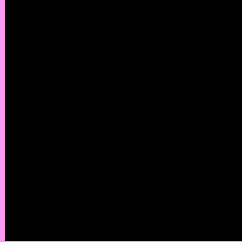
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5135, 0.3273, 0.2403

Background



This preview shows how black text looks on a background with the Yxy color 50.5135, 0.3273, 0.2403.



This preview shows how white text looks on a background with the Yxy color 50.5135, 0.3273, 0.2403.

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

50.5135, 0.3273, 0.2403

Protanopia

51.0855, 0.2538, 0.2495

Deuteranopia

50.7574, 0.2735, 0.2673



Tritanopia

50.3013, 0.3767, 0.3151

Trichromacy



Original Color

50.5135, 0.3273, 0.2403



Protanomaly

49.9043, 0.2767, 0.2442



Deuteranomaly

49.6744, 0.2918, 0.2551



Tritanomaly

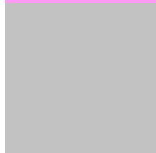
50.0780, 0.3587, 0.2859

Monochromacy



Original Color

50.5135, 0.3273, 0.2403



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.5926, 0.3179, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5135, 0.3273, 0.2403 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 243) }
```

Border

The CSS property to change the border of an element to Yxy 50.5135, 0.3273, 0.2403 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, 243) }
```

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

```
.border{ border-color:rgb(255, 153, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5135, 0.3273, 0.2403 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
153, 243) }
```

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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