

Converting Colors

$Y_{xy}(53.5865, 0.3488, 0.2537)$

Have a look what the booklet for
Yxy(53.5865, 0.3488, 0.2537)
contains.

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Color

Yxy(50.6432, 0.3349, 0.2501)

Conversions

Conversions Part 1

Format	Color
Hex	FF9BEA
RGB	255, 155, 234
RGB Percent	100%, 61%, 92%
CMY	0.0000, 0.3922, 0.0824
CMYK	0.00, 0.39, 0.08, 0.00
HSL	313°, 100%, 80%
HSV	313°, 39%, 100%
XYZ	67.8145, 50.6432, 84.0341
YIQ	193.9060, 34.2410, 45.7690

Conversions

Conversions Part 2

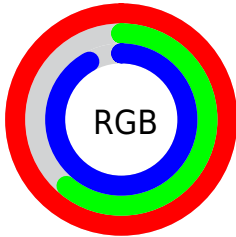
Format	Color
R_{YB}	255, 155, 234
Decimal	16751594
CIE _{Lab}	76.46, 48.24, -24.04
CIE _{LCh}	76, 53.897, 333.514
Yxy	50.6432, 0.3349, 0.2501
Android (android.graphics.Color)	4294941674 (0xFFFF9BEA)
YUV	193.9060, 19.7663, 53.5794
Hunter-Lab	71.1640, 45.5613, -20.1978

Details

The Yxy color **50.6432, 0.3349, 0.2501** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.6238, 0.2966, 0.4239**, and the grayscale version is **53.7550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **24.3920, 0.3400, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **42.7295, 0.3423, 0.2313**, and if you desaturate by 10%, it is **60.3579, 0.3281, 0.2702**.

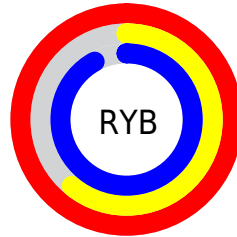
Distribution



Red (100%)

Green (61%)

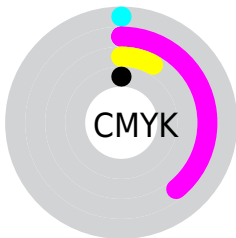
Blue (92%)



Red (100%)

Yellow (61%)

Blue (92%)

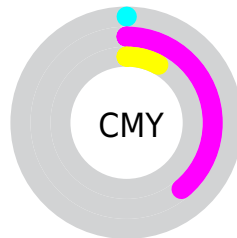


Cyan (0%)

Magenta (39%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6432, 0.3349, 0.2501 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 50.6432, 0.3349, 0.2501 by changing the saturation by 10% instead.


 50.6432, 0.3349,
0.2501

 50.6432, 0.3349,
0.2501


389.1759, 0.3252,
0.2862

 35.9247, 0.3370,
0.2420


 91.1271, 0.3317,
0.2625

 24.3761, 0.3394,
0.2321


 117.6614, 0.3304,
0.2674

 15.6128, 0.3424,
0.2197


148.9031, 0.3292,
0.2716

 9.2506, 0.3461,
0.2038

185.2365, 0.3282,
0.2752

 4.9050, 0.3506,
0.1828

227.0461, 0.3273,
0.2785

 2.1916, 0.3560,
0.1540

274.7163, 0.3265,

 0.7154, 0.3626,

0.2813

0.1118

328.6314, 0.3258,
0.2839

0.0000, 0.3855,
0.0000

0.0000, 0.0000,
0.0000

50.6432, 0.3349,
0.2501

50.6432, 0.3349,
0.2501

42.7295, 0.3423,
0.2313

60.3579, 0.3281,
0.2702

36.5034, 0.3504,
0.2148

71.9778, 0.3221,
0.2907

31.8379, 0.3587,
0.2016

85.5990, 0.3169,
0.3110

28.5880, 0.3671,
0.1927

100.0000, 0.3127,
0.3290

■ 26.5819, 0.3754,
0.1885

■ 25.5603, 0.3832,
0.1887

■ 25.4969, 0.3838,
0.1888

Harmonies

Analogous

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



50.6432, 0.2637, 0.2236



50.6432, 0.3349, 0.2501



50.6432, 0.4073, 0.2931

Triad

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



50.6432, 0.3349, 0.2501



50.6432, 0.4132, 0.4457



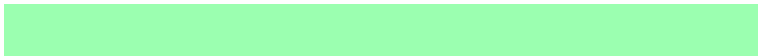
50.6432, 0.1906, 0.2871

Complementary

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



50.6432, 0.3349, 0.2501



81.6238, 0.2966, 0.4239

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.



50.6432, 0.2218, 0.3606



50.6432, 0.3349, 0.2501



50.6432, 0.3492, 0.4638

Square

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



50.6432, 0.3349, 0.2501



50.6432, 0.4528, 0.3996



50.6432, 0.2791, 0.4325



50.6432, 0.1880, 0.2384

Rectangle

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



50.6432, 0.3349, 0.2501



50.6432, 0.4418, 0.3274



50.6432, 0.2791, 0.4325



50.6432, 0.1978, 0.3096

Sweetspot

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



50.6431, 0.3349, 0.2501



81.5994, 0.3183, 0.3054



39.7772, 0.2537, 0.2127



17.0759, 0.3189, 0.3028



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.



50.6431, 0.3349, 0.2501



44.3328, 0.3406, 0.2353



48.2060, 0.3813, 0.2978



18.2311, 0.3170, 0.3104



13.3453, 0.3826, 0.1881



1.3150, 0.3742, 0.1835

Inverse Universe

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



50.6431, 0.3349, 0.2501



44.3328, 0.3406, 0.2353



83.9250, 0.2723, 0.3634



18.2311, 0.3170, 0.3104



13.3453, 0.3826, 0.1881



1.3150, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 50.6432, 0.3349, 0.2501 looks on a white background.

Color Contrast Check

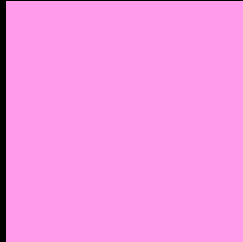
Large Text (above 18pt) WCAG AA × Fail

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 50.6432, 0.3349, 0.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

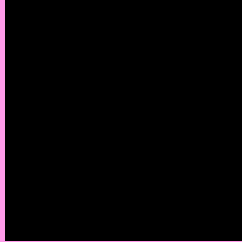
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6432, 0.3349, 0.2501

Background



This preview shows how black text looks on a background with the Yxy color 50.6432, 0.3349, 0.2501.



This preview shows how white text looks on a background with the Yxy color 50.6432, 0.3349, 0.2501.

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

50.6432, 0.3349, 0.2501

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.0464, 0.2831, 0.2767



Tritanopia

50.4836, 0.3776, 0.3152

Trichromacy



Original Color

50.6432, 0.3349, 0.2501



Protanomaly

49.6547, 0.2794, 0.2480



Deuteranomaly

50.0387, 0.3000, 0.2647



Tritanomaly

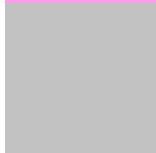
50.4734, 0.3623, 0.2902

Monochromacy



Original Color

50.6432, 0.3349, 0.2501



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.8449, 0.3202, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6432, 0.3349, 0.2501 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, 155, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 234)  
}
```

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, 155, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 234) }
```

Border

The CSS property to change the border of an element to Yxy 50.6432, 0.3349, 0.2501 is called "border". The border property can be set on classes, ids or directly on the HTML element.

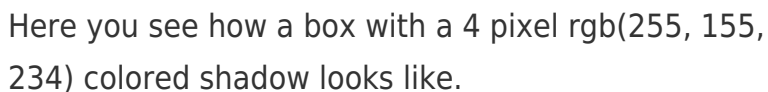
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 155, 234) }
```

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

```
.border{ border-color:rgb(255, 155, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 155, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 155, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 155, 234); box-shadow:4px 4px 4px 4px rgb(255, 155, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6432, 0.3349, 0.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 234) }
```

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

```
.background{ background-color: rgb(255,  
155, 234) }
```

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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