

Converting Colors

Yxy(51.8991, 0.3315, 0.2498)

Have a look what the booklet for
Yxy(51.8991, 0.3315, 0.2498)
contains.

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Color

Yxy(51.8868, 0.3312, 0.2494)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EEE
RGB	255, 158, 238
RGB Percent	100%, 62%, 93%
CMY	0.0000, 0.3804, 0.0668
CMYK	0.00, 0.38, 0.07, 0.00
HSL	311°, 100%, 81%
HSV	311°, 38%, 100%
XYZ	68.9050, 51.8868, 87.2547
YIQ	196.1230, 32.1320, 45.4440

Conversions

Conversions Part 2

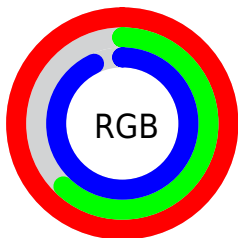
Format	Color
R_{YB}	255, 158, 238
Decimal	16752366
CIE _{Lab}	77.21, 47.39, -25.06
CIE _{LCh}	77, 53.603, 332.131
Yxy	51.8868, 0.3312, 0.2494
Android (android.graphics.Color)	4294942446 (0xFFFF9EEE)
YUV	196.1230, 20.6454, 51.6351
Hunter-Lab	72.0325, 44.6931, -21.3967

Details

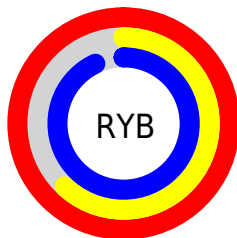
The Yxy color **51.8868, 0.3312, 0.2494** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.8842, 0.2987, 0.4247**, and the grayscale version is **55.1341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.1483, 0.3349, 0.2312** is the 20% darker color. If you saturate the color by 10%, you get **43.8087, 0.3374, 0.2297**, and if you desaturate by 10%, it is **61.7689, 0.3255, 0.2703**.

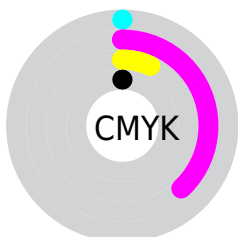
Distribution



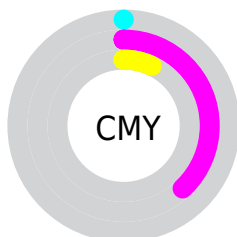
- Red (100%)
- Green (62%)
- Blue (93%)



- Red (100%)
- Yellow (62%)
- Blue (93%)



- Cyan (0%)
- Magenta (38%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8868, 0.3312, 0.2494 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 51.8868, 0.3312, 0.2494 by changing the saturation by 10% instead.


 51.8868, 0.3312,
0.2494


 51.8868, 0.3312,
0.2494


393.9994, 0.3233,
0.2856

 36.9149, 0.3328,
0.2413


 92.9643, 0.3286,
0.2618

 25.1416, 0.3347,
0.2314


 119.8386, 0.3276,
0.2667

 16.1826, 0.3370,
0.2191


151.4491, 0.3267,
0.2709

 9.6534, 0.3396,
0.2034

188.1803, 0.3258,
0.2746

 5.1698, 0.3427,
0.1827

230.4166, 0.3251,
0.2778

 2.3472, 0.3461,
0.1544

278.5422, 0.3245,

 0.7985, 0.3488,

0.2807

0.1143

332.9417, 0.3239,
0.2833

■ 0.0000, 0.3670,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8868, 0.3312,
0.2494

■ 51.8868, 0.3312,
0.2494

■ 43.8087, 0.3374,
0.2297

■ 61.7689, 0.3255,
0.2703

■ 37.4328, 0.3441,
0.2124

■ 73.5686, 0.3204,
0.2916

■ 32.6304, 0.3510,
0.1983

■ 87.3773, 0.3159,
0.3127

■ 29.2592, 0.3578,
0.1884

100.0000, 0.3127,
0.3290

■ 27.1512, 0.3645,
0.1831

■ 26.0781, 0.3709,
0.1822

■ 25.9258, 0.3721,
0.1823

Harmonies

Analogous

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



51.8868, 0.2615, 0.2240



51.8868, 0.3312, 0.2494



51.8868, 0.4031, 0.2913

Triad

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



51.8868, 0.3312, 0.2494



51.8868, 0.4145, 0.4427



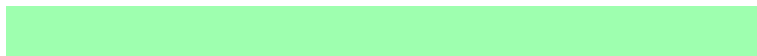
51.8868, 0.1928, 0.2907

Complementary

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



51.8868, 0.3312, 0.2494



81.8842, 0.2987, 0.4247

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.



51.8868, 0.2251, 0.3638



51.8868, 0.3312, 0.2494



51.8868, 0.3521, 0.4620

Square

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



51.8868, 0.3312, 0.2494



51.8868, 0.4520, 0.3966



51.8868, 0.2827, 0.4334



51.8868, 0.1889, 0.2411

Rectangle

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



51.8868, 0.3312, 0.2494



51.8868, 0.4383, 0.3251



51.8868, 0.2827, 0.4334



51.8868, 0.2004, 0.3132

Sweetspot

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



51.8832, 0.3312, 0.2494



83.0778, 0.3171, 0.3065



40.6886, 0.2535, 0.2160



17.3733, 0.3177, 0.3037



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.



51.8832, 0.3312, 0.2494



45.3155, 0.3361, 0.2336



49.4436, 0.3752, 0.2954



18.2424, 0.3165, 0.3096



13.5668, 0.3711, 0.1818



1.3347, 0.3643, 0.1781

Inverse Universe

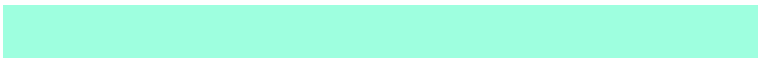
The Inverse Universe completely reimagines the original color for something new.



51.8832, 0.3312, 0.2494



45.3155, 0.3361, 0.2336



84.0981, 0.2748, 0.3661



18.2424, 0.3165, 0.3096



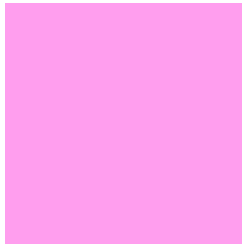
13.5668, 0.3711, 0.1818



1.3347, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 51.8868, 0.3312, 0.2494 looks on a white background.

Color Contrast Check

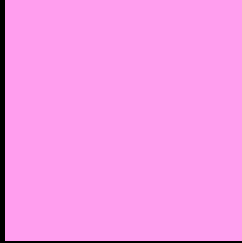
Large Text (above 18pt) WCAG AA × Fail

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 51.8868, 0.3312, 0.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

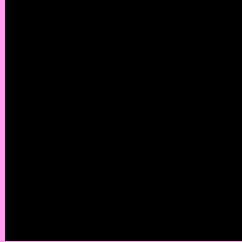
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8868, 0.3312, 0.2494

Background



This preview shows how black text looks on a background with the Yxy color 51.8868, 0.3312, 0.2494.



This preview shows how white text looks on a background with the Yxy color 51.8868, 0.3312, 0.2494.

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

51.8868, 0.3312, 0.2494

Protanopia

52.3858, 0.2566, 0.2524

Deuteranopia

52.2427, 0.2813, 0.2749



Tritanopia

51.7098, 0.3739, 0.3152

Trichromacy



Original Color

51.8868, 0.3312, 0.2494



Protanomaly

51.2369, 0.2797, 0.2498



Deuteranomaly

51.1950, 0.2979, 0.2631



Tritanomaly

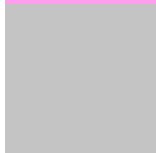
51.6838, 0.3588, 0.2902

Monochromacy



Original Color

51.8868, 0.3312, 0.2494



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

52.9108, 0.3193, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8868, 0.3312, 0.2494 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, 158, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 238)  
}
```

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, 158, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 238) }
```

Border

The CSS property to change the border of an element to Yxy 51.8868, 0.3312, 0.2494 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, 158, 238) }
```

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

```
.border{ border-color:rgb(255, 158, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 158, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 158, 238); box-shadow:4px 4px 4px 4px rgb(255, 158, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8868, 0.3312, 0.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 238) }
```

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

```
.background{ background-color: rgb(255,  
158, 238) }
```

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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