

Converting Colors

$Y_{xy}(51.2350, 0.3417, 0.2605)$

Have a look what the booklet for
Yxy(51.2350, 0.3417, 0.2605)
contains.

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Color

Yxy(51.2047, 0.3416, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EE2
RGB	255, 158, 226
RGB Percent	100%, 62%, 89%
CMY	0.0000, 0.3804, 0.1136
CMYK	0.00, 0.38, 0.11, 0.00
HSL	318°, 100%, 81%
HSV	318°, 38%, 100%
XYZ	67.1976, 51.2047, 78.3119
YIQ	194.7550, 35.9840, 41.7120

Conversions

Conversions Part 2

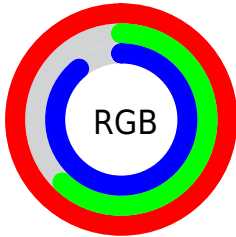
Format	Color
R _Y B	255, 158, 226
Decimal	16752354
CIE Lab	76.80, 45.41, -19.19
CIE LCh	77, 49.300, 337.096
Yxy	51.2047, 0.3416, 0.2603
Android (android.graphics.Color)	4294942434 (0xFFFF9EE2)
YUV	194.7550, 15.4038, 52.8349
Hunter-Lab	71.5575, 42.3987, -14.7963

Details

The Yxy color **51.2047, 0.3416, 0.2603** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.3760, 0.2927, 0.4098**, and the grayscale version is **54.3119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.7112, 0.3481, 0.2435** is the 20% darker color. If you saturate the color by 10%, you get **42.9822, 0.3520, 0.2430**, and if you desaturate by 10%, it is **61.2541, 0.3324, 0.2786**.

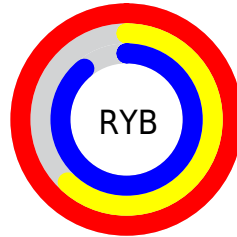
Distribution



Red (100%)

Green (62%)

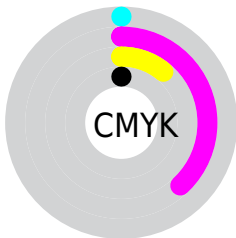
Blue (89%)



Red (100%)

Yellow (62%)

Blue (89%)

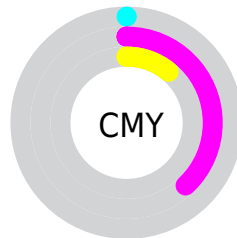


Cyan (0%)

Magenta (38%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2047, 0.3416, 0.2603 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 51.2047, 0.3416, 0.2603 by changing the saturation by 10% instead.


 51.2047, 0.3416,
0.2603


 51.2047, 0.3416,
0.2603


391.3586, 0.3284,
0.2920

 36.3715, 0.3446,
0.2531


 91.9573, 0.3370,
0.2713

 24.7213, 0.3482,
0.2443


 118.6455, 0.3353,
0.2755

 15.8695, 0.3528,
0.2331


150.0542, 0.3337,
0.2792

 9.4319, 0.3587,
0.2187


186.5677, 0.3324,
0.2824

 5.0239, 0.3666,
0.1993

228.5706, 0.3312,
0.2853

 2.2613, 0.3774,
0.1722

276.4470, 0.3301,

 0.7531, 0.3935,

0.2878

0.1313

330.5816, 0.3292,
0.2900

0.0000, 0.4468,
0.0000

0.0000, 0.0000,
0.0000

51.2047, 0.3416,
0.2603

51.2047, 0.3416,
0.2603

42.9822, 0.3520,
0.2430

61.2541, 0.3324,
0.2786

36.4684, 0.3636,
0.2277

73.2279, 0.3243,
0.2970

31.5398, 0.3759,
0.2155

87.2233, 0.3175,
0.3151

28.0540, 0.3887,
0.2075

100.0000, 0.3127,
0.3290

■ 25.8425, 0.4015,
0.2043

■ 24.6772, 0.4139,
0.2061

■ 24.5079, 0.4163,
0.2067

Harmonies

Analogous

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



51.2047, 0.2751, 0.2334



51.2047, 0.3416, 0.2603



51.2047, 0.4056, 0.3019

Triad

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



51.2047, 0.3416, 0.2603



51.2047, 0.3995, 0.4401



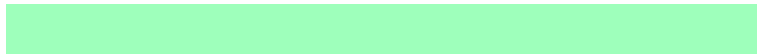
51.2047, 0.1984, 0.2847

Complementary

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



51.2047, 0.3416, 0.2603



82.3760, 0.2927, 0.4098

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.



51.2047, 0.2247, 0.3496



51.2047, 0.3416, 0.2603



51.2047, 0.3394, 0.4502

Square

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



51.2047, 0.3416, 0.2603



51.2047, 0.4386, 0.4010



51.2047, 0.2754, 0.4159



51.2047, 0.1989, 0.2425

Rectangle

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



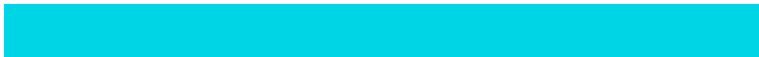
51.2047, 0.3416, 0.2603



51.2047, 0.4343, 0.3344



51.2047, 0.2754, 0.4159



51.2047, 0.2041, 0.3044

Sweetspot

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



51.2066, 0.3416, 0.2603



82.8629, 0.3194, 0.3098



42.0487, 0.2618, 0.2184



17.3218, 0.3203, 0.3074



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.



51.2066, 0.3416, 0.2603



44.5163, 0.3498, 0.2464



48.9695, 0.3864, 0.3071



18.2025, 0.3184, 0.3125



12.8335, 0.4144, 0.2056



1.2688, 0.4011, 0.1983

Inverse Universe

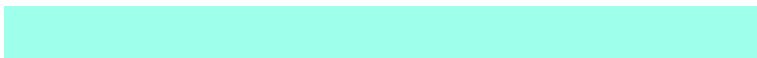
The Inverse Universe completely reimagines the original color for something new.



51.2066, 0.3416, 0.2603



44.5163, 0.3498, 0.2464



84.7288, 0.2694, 0.3527



18.2025, 0.3184, 0.3125



12.8335, 0.4144, 0.2056



1.2688, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 51.2047, 0.3416, 0.2603 looks on a white background.

Color Contrast Check

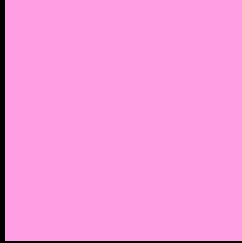
Large Text (above 18pt) WCAG AA × Fail

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 51.2047, 0.3416, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

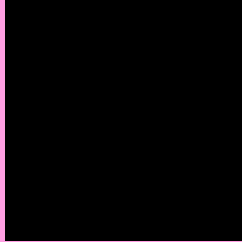
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2047, 0.3416, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 51.2047, 0.3416, 0.2603.



This preview shows how white text looks on a background with the Yxy color 51.2047, 0.3416, 0.2603.

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

51.2047, 0.3416, 0.2603

Protanopia

51.6805, 0.2623, 0.2595

Deuteranopia

51.2558, 0.2924, 0.2860



Tritanopia

51.2567, 0.3782, 0.3153

Trichromacy



Original Color

51.2047, 0.3416, 0.2603



Protanomaly

50.3728, 0.2872, 0.2587



Deuteranomaly

50.5866, 0.3094, 0.2747



Tritanomaly

51.2776, 0.3646, 0.2944

Monochromacy



Original Color

51.2047, 0.3416, 0.2603



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.6638, 0.3233, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2047, 0.3416, 0.2603 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.2047, 0.3416, 0.2603 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, 226) }
```

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

```
.border{ border-color:rgb(255, 158, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 158, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 158, 226); box-shadow:4px 4px 4px 4px rgb(255, 158, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2047, 0.3416, 0.2603 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
158, 226) }
```

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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