

Converting Colors

$Y_{xy}(51.1978, 0.3633, 0.2975)$

Have a look what the booklet for
Yxy(51.1978, 0.3633, 0.2975)
contains.

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Color

Yxy(51.3523, 0.3634, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	F9A6C3
RGB	249, 166, 195
RGB Percent	98%, 65%, 76%
CMY	0.0234, 0.3490, 0.2353
CMYK	0.00, 0.33, 0.22, 0.02
HSL	339°, 87%, 81%
HSV	339°, 33%, 98%
XYZ	62.5593, 51.3523, 58.2383
YIQ	194.1230, 40.1590, 26.6150

Conversions

Conversions Part 2

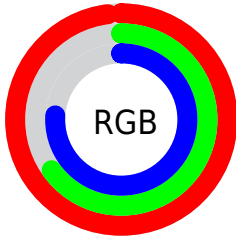
Format	Color
R _Y B	249, 166, 195
Decimal	16361155
CIE Lab	76.89, 34.54, -2.19
CIE LCh	77, 34.605, 356.373
Yxy	51.3523, 0.3634, 0.2983
Android (android.graphics.Color)	4294551235 (0xFFF9A6C3)
YUV	194.1230, 0.4324, 48.1271
Hunter-Lab	71.6605, 30.4236, 1.9776

Details

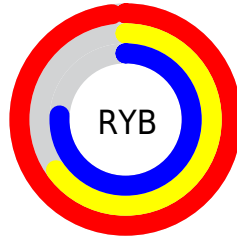
The Yxy color **51.3523, 0.3634, 0.2983** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.0428, 0.2796, 0.3624**, and the grayscale version is **54.0062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4676, 0.3168, 0.3007**, and **24.8097, 0.3775, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **42.4674, 0.3861, 0.2890**, and if you desaturate by 10%, it is **62.0743, 0.3445, 0.3079**.

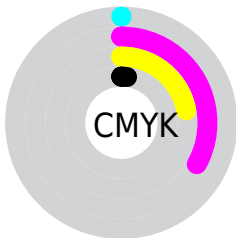
Distribution



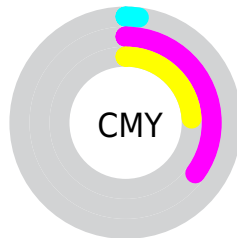
- Red (98%)
- Green (65%)
- Blue (76%)



- Red (98%)
- Yellow (65%)
- Blue (76%)



- Cyan (0%)
- Magenta (33%)
- Yellow (22%)
- Black (2%)





- Cyan (2%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3523, 0.3634, 0.2983 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 51.3523, 0.3634, 0.2983 by changing the saturation by 10% instead.


 51.3523, 0.3634,
0.2983


 51.3523, 0.3634,
0.2983


391.9310, 0.3386,
0.3132

 36.4891, 0.3694,
0.2947


 92.1753, 0.3545,
0.3036

 24.8121, 0.3771,
0.2902


 118.9039, 0.3511,
0.3057

 15.9372, 0.3871,
0.2842


150.3564, 0.3482,
0.3074

 9.4797, 0.4008,
0.2762

186.9171, 0.3458,
0.3089

 5.0554, 0.4206,
0.2647

228.9706, 0.3436,
0.3102

 2.2798, 0.4516,
0.2470

276.9011, 0.3417,

 0.7630, 0.5071,

0.3113

331.0931, 0.3401,
0.3123

0.2153

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.3523, 0.3634,
0.2983

51.3523, 0.3634,
0.2983

42.4674, 0.3861,
0.2890

62.0743, 0.3445,
0.3079

35.3083, 0.4128,
0.2808

74.7221, 0.3291,
0.3173

29.7627, 0.4434,
0.2746

89.3870, 0.3164,
0.3262

25.7022, 0.4769,
0.2718

98.8845, 0.3090,
0.3290

■ 22.9779, 0.5111,
0.2736

■ 21.4097, 0.5433,
0.2805

■ 20.8321, 0.5626,
0.2873

Harmonies

Analogous

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



51.3523, 0.3165, 0.2703



51.3523, 0.3634, 0.2983



51.3523, 0.3972, 0.3341

Triad

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



51.3523, 0.3634, 0.2983



51.3523, 0.3498, 0.4139



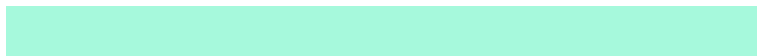
51.3523, 0.2273, 0.2771

Complementary

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



51.3523, 0.3634, 0.2983



81.0428, 0.2796, 0.3624

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.



51.3523, 0.2347, 0.3145



51.3523, 0.3634, 0.2983



51.3523, 0.3036, 0.3996

Square

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



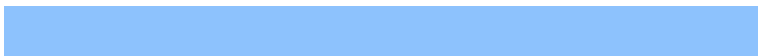
51.3523, 0.3634, 0.2983



51.3523, 0.3878, 0.4014



51.3523, 0.2618, 0.3610



51.3523, 0.2403, 0.2570

Rectangle

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



51.3523, 0.3634, 0.2983



51.3523, 0.4061, 0.3591



51.3523, 0.2618, 0.3610



51.3523, 0.2275, 0.2878

Sweetspot

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



51.3547, 0.3634, 0.2983



83.7726, 0.3246, 0.3203



49.3219, 0.2931, 0.2399



17.4802, 0.3264, 0.3190



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.



51.3547, 0.3634, 0.2983



47.7001, 0.3782, 0.2920



54.9174, 0.3866, 0.3426



17.3253, 0.3239, 0.3207



11.1726, 0.5584, 0.2850



1.0540, 0.5253, 0.2667

Inverse Universe

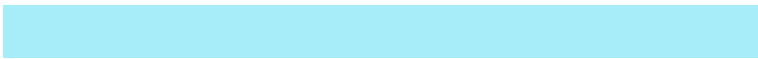
The Inverse Universe completely reimagines the original color for something new.



51.3547, 0.3634, 0.2983



47.7001, 0.3782, 0.2920



75.2680, 0.2634, 0.3148



17.3253, 0.3239, 0.3207



11.1726, 0.5584, 0.2850



1.0540, 0.5253, 0.2667

Previews

White Background



This preview shows how the Yxy color 51.3523, 0.3634, 0.2983 looks on a white background.

Color Contrast Check

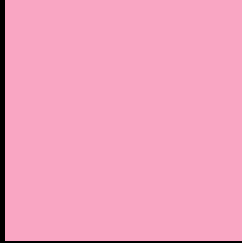
Large Text (above 18pt) WCAG AA × Fail

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 51.3523, 0.3634, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

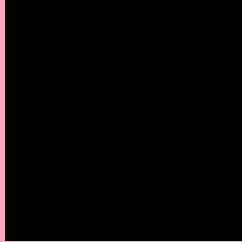
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3523, 0.3634, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 51.3523, 0.3634, 0.2983.



This preview shows how white text looks on a background with the Yxy color 51.3523, 0.3634, 0.2983.

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

51.3523, 0.3634, 0.2983

Protanopia

51.6900, 0.2971, 0.3045

Deuteranopia

51.4966, 0.3267, 0.3195



Tritanopia

51.2979, 0.3751, 0.3152

Trichromacy



Original Color

51.3523, 0.3634, 0.2983



Protanomaly

51.1090, 0.3191, 0.3020



Deuteranomaly

50.9825, 0.3399, 0.3107



Tritanomaly

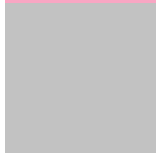
51.1391, 0.3707, 0.3088

Monochromacy



Original Color

51.3523, 0.3634, 0.2983



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.4722, 0.3302, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3523, 0.3634, 0.2983 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(249, 166, 195)` looks like.

```
.text, #text, p{  
    color:rgb(249, 166, 195)  
}
```

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(249, 166, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 166, 195) }
```

Border

The CSS property to change the border of an element to Yxy 51.3523, 0.3634, 0.2983 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(249, 166, 195) }
```

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

```
.border{ border-color:rgb(249, 166, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 166, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 166, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 166, 195); box-shadow:4px 4px 4px 4px rgb(249, 166, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3523, 0.3634, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 166, 195) }
```

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

```
.background{ background-color: rgb(249,  
166, 195) }
```

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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