

Converting Colors

Yxy(81.2400, 0.4601, 0.3068)

Have a look what the booklet for
Yxy(81.2400, 0.4601, 0.3068)
contains.

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Color

Yxy(51.7964, 0.3682, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	FFA4C4
RGB	255, 164, 196
RGB Percent	100%, 64%, 77%
CMY	0.0001, 0.3568, 0.2313
CMYK	0.00, 0.36, 0.23, 0.00
HSL	339°, 100%, 82%
HSV	339°, 36%, 100%
XYZ	64.4741, 51.7964, 58.8357
YIQ	194.8570, 43.9640, 29.2440

Conversions

Conversions Part 2

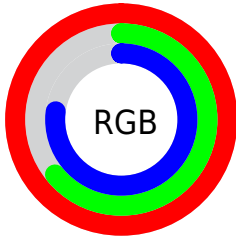
Format	Color
R _Y B	255, 164, 196
Decimal	16753860
CIE Lab	77.16, 37.78, -2.28
CIE LCh	77, 37.846, 356.543
Yxy	51.7964, 0.3682, 0.2958
Android (android.graphics.Color)	4294943940 (0xFFFFA4C4)
YUV	194.8570, 0.5635, 52.7454
Hunter-Lab	71.9697, 33.9623, 1.9089

Details

The Yxy color **51.7964, 0.3682, 0.2958** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.7247, 0.2777, 0.3654**, and the grayscale version is **54.4629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5382, 0.3156, 0.2969**, and **25.1922, 0.3841, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **42.8565, 0.3918, 0.2866**, and if you desaturate by 10%, it is **62.6535, 0.3485, 0.3054**.

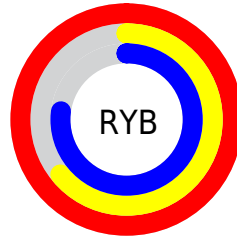
Distribution



Red (100%)

Green (64%)

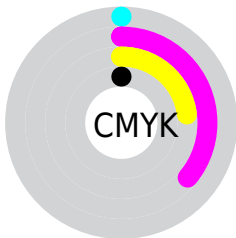
Blue (77%)



Red (100%)

Yellow (64%)

Blue (77%)

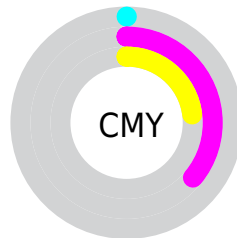


Cyan (0%)

Magenta (36%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7964, 0.3682, 0.2958 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 51.7964, 0.3682, 0.2958 by changing the saturation by 10% instead.

 51.7964, 0.3682,
0.2958


 51.7964, 0.3682,
0.2958


393.6501, 0.3411,
0.3119

 36.8428, 0.3748,
0.2919


 92.8309, 0.3585,
0.3015

 25.0858, 0.3831,
0.2871


 119.6806, 0.3548,
0.3037

 16.1410, 0.3940,
0.2807


151.2645, 0.3517,
0.3056

 9.6240, 0.4089,
0.2721

187.9669, 0.3490,
0.3072

 5.1504, 0.4302,
0.2599

230.1723, 0.3466,
0.3086

 2.3358, 0.4634,
0.2412

278.2650, 0.3445,

 0.7925, 0.5217,

0.3098

0.2087

332.6295, 0.3427,
0.3109

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.7964, 0.3682,
0.2958

51.7964, 0.3682,
0.2958

42.8565, 0.3918,
0.2866

62.6535, 0.3485,
0.3054

35.7137, 0.4194,
0.2787

75.5237, 0.3323,
0.3150

30.2461, 0.4507,
0.2731

90.5053, 0.3191,
0.3241

26.3129, 0.4844,
0.2713

99.9953, 0.3127,
0.3290

■ 23.7504, 0.5183,
0.2743

■ 22.3559, 0.5496,
0.2824

■ 21.9886, 0.5619,
0.2869

Harmonies

Analogous

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



51.7964, 0.3169, 0.2657



51.7964, 0.3682, 0.2958



51.7964, 0.4051, 0.3343

Triad

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



51.7964, 0.3682, 0.2958



51.7964, 0.3524, 0.4218



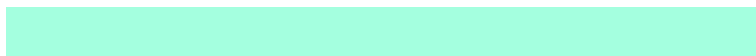
51.7964, 0.2204, 0.2721

Complementary

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



51.7964, 0.3682, 0.2958



84.7247, 0.2777, 0.3654

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.



51.7964, 0.2280, 0.3125



51.7964, 0.3682, 0.2958



51.7964, 0.3021, 0.4064

Square

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



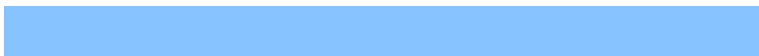
51.7964, 0.3682, 0.2958



51.7964, 0.3940, 0.4075



51.7964, 0.2570, 0.3637



51.7964, 0.2344, 0.2509

Rectangle

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



51.7964, 0.3682, 0.2958



51.7964, 0.4146, 0.3613



51.7964, 0.2570, 0.3637



51.7964, 0.2205, 0.2836

Sweetspot

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



51.7989, 0.3682, 0.2958



82.2747, 0.3258, 0.3193



49.2458, 0.2901, 0.2329



17.1817, 0.3277, 0.3181



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.



51.7989, 0.3682, 0.2958



45.0757, 0.3851, 0.2890



55.0438, 0.3945, 0.3420



18.0926, 0.3239, 0.3207



11.5176, 0.5576, 0.2845



1.1412, 0.5261, 0.2672

Inverse Universe

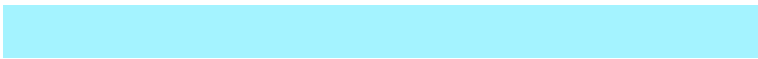
The Inverse Universe completely reimagines the original color for something new.



51.7989, 0.3682, 0.2958



45.0757, 0.3851, 0.2890



79.1227, 0.2605, 0.3154



18.0926, 0.3239, 0.3207



11.5176, 0.5576, 0.2845



1.1412, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 51.7964, 0.3682, 0.2958 looks on a white background.

Color Contrast Check

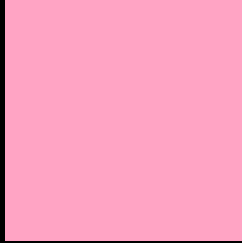
Large Text (above 18pt) WCAG AA × Fail

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 51.7964, 0.3682, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

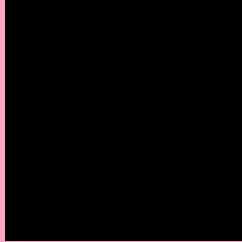
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7964, 0.3682, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 51.7964, 0.3682, 0.2958.



This preview shows how white text looks on a background with the Yxy color 51.7964, 0.3682, 0.2958.

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

51.7964, 0.3682, 0.2958

Protanopia

52.2717, 0.2950, 0.3022

Deuteranopia

52.0590, 0.3275, 0.3207



Tritanopia

51.7748, 0.3818, 0.3165

Trichromacy



Original Color

51.7964, 0.3682, 0.2958



Protanomaly

51.5010, 0.3191, 0.2998



Deuteranomaly

51.4633, 0.3425, 0.3108



Tritanomaly

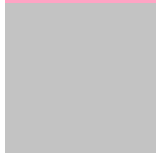
51.8460, 0.3773, 0.3092

Monochromacy



Original Color

51.7964, 0.3682, 0.2958



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.9728, 0.3320, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7964, 0.3682, 0.2958 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, 164, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 196)  
}
```

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, 164, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 196) }
```

Border

The CSS property to change the border of an element to Yxy 51.7964, 0.3682, 0.2958 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, 164, 196) }
```

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

```
.border{ border-color:rgb(255, 164, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7964, 0.3682, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 196) }
```

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

```
.background{ background-color: rgb(255,  
164, 196) }
```

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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