

Converting Colors

$Y_{xy}(48.8089, 0.3550, 0.2684)$

Have a look what the booklet for
Yxy(48.8089, 0.3550, 0.2684)
contains.

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Color

Yxy(48.7959, 0.3552, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	FF99D4
RGB	255, 153, 212
RGB Percent	100%, 60%, 83%
CMY	0.0001, 0.3999, 0.1687
CMYK	0.00, 0.40, 0.17, 0.00
HSL	325°, 100%, 80%
HSV	325°, 40%, 100%
XYZ	64.5043, 48.7959, 68.2997
YIQ	190.2240, 41.8530, 39.9730

Conversions

Conversions Part 2

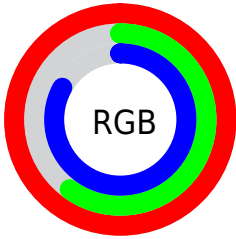
Format	Color
R _Y B	255, 153, 212
Decimal	16751060
CIE Lab	75.32, 45.75, -13.75
CIE LCh	75, 47.776, 343.274
Yxy	48.7959, 0.3552, 0.2687
Android (android.graphics.Color)	4294941140 (0xFFFF99D4)
YUV	190.2240, 10.7356, 56.8086
Hunter-Lab	69.8541, 42.5850, -9.0729

Details

The Yxy color $48.7959, 0.3552, 0.2687$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $82.2587, 0.2855, 0.3991$, and the grayscale version is $51.5495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $23.0938, 0.3660, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $40.7984, 0.3707, 0.2543$, and if you desaturate by 10%, it is $58.6172, 0.3418, 0.2840$.

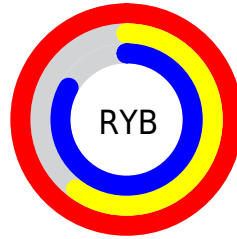
Distribution



Red (100%)

Green (60%)

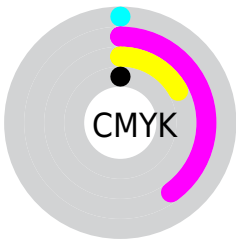
Blue (83%)



Red (100%)

Yellow (60%)

Blue (83%)

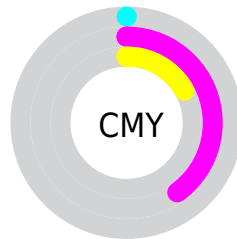


Cyan (0%)

Magenta (40%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7959, 0.3552, 0.2687 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 48.7959, 0.3552, 0.2687 by changing the saturation by 10% instead.


 48.7959, 0.3552,
0.2687


 48.7959, 0.3552,
0.2687

381.9383, 0.3349,
0.2971

 34.4576, 0.3600,
0.2621


 88.3882, 0.3480,
0.2786

 23.2454, 0.3660,
0.2540


 114.4111, 0.3453,
0.2825

 14.7748, 0.3737,
0.2436


145.0976, 0.3429,
0.2858

 8.6615, 0.3841,
0.2299

180.8321, 0.3409,
0.2886

 4.5210, 0.3985,
0.2112

221.9990, 0.3391,
0.2911

 1.9691, 0.4200,
0.1841

268.9827, 0.3375,

 0.5894, 0.4584,

0.2933

0.1362

322.1677, 0.3361,
0.2953

0.0000, 0.6111,
0.0000

0.0000, 0.0000,
0.0000

48.7959, 0.3552,
0.2687

48.7959, 0.3552,
0.2687

40.7984, 0.3707,
0.2543

58.6172, 0.3418,
0.2840

34.5024, 0.3881,
0.2420

70.3605, 0.3304,
0.2995

29.7818, 0.4071,
0.2329

84.1252, 0.3207,
0.3146

26.4892, 0.4270,
0.2282

99.9926, 0.3127,
0.3290

■ 24.4494, 0.4470, 99.9935, 0.3127,
0.2287 0.3290

■ 23.3768, 0.4664,
0.2343

■ 23.3751, 0.4664,
0.2343

Harmonies

Analogous

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



48.7959, 0.2883, 0.2387



48.7959, 0.3552, 0.2687



48.7959, 0.4145, 0.3120

Triad

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



48.7959, 0.3552, 0.2687



48.7959, 0.3874, 0.4436



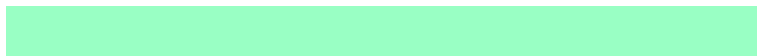
48.7959, 0.1979, 0.2748

Complementary

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



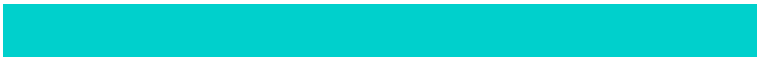
48.7959, 0.3552, 0.2687



82.2587, 0.2855, 0.3991

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.



48.7959, 0.2184, 0.3351



48.7959, 0.3552, 0.2687



48.7959, 0.3259, 0.4450

Square

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



48.7959, 0.3552, 0.2687



48.7959, 0.4314, 0.4094



48.7959, 0.2641, 0.4026



48.7959, 0.2037, 0.2384

Rectangle

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



48.7959, 0.3552, 0.2687



48.7959, 0.4379, 0.3447



48.7959, 0.2641, 0.4026



48.7959, 0.2017, 0.2926

Sweetspot

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



48.7982, 0.3552, 0.2687



81.2034, 0.3225, 0.3116



41.6786, 0.2689, 0.2152



16.9825, 0.3237, 0.3097



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.



48.7982, 0.3552, 0.2687



42.2566, 0.3674, 0.2571



46.6369, 0.4060, 0.3203



18.1633, 0.3203, 0.3153



12.2482, 0.4633, 0.2326



1.2144, 0.4426, 0.2212

Inverse Universe

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



48.7982, 0.3552, 0.2687



42.2566, 0.3674, 0.2571



84.9559, 0.2613, 0.3384



18.1633, 0.3203, 0.3153



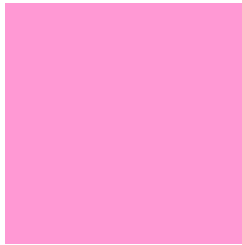
12.2482, 0.4633, 0.2326



1.2144, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 48.7959, 0.3552, 0.2687 looks on a white background.

Color Contrast Check

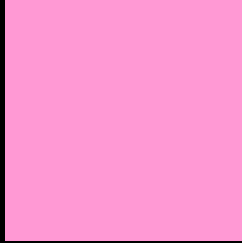
Large Text (above 18pt) WCAG AA × Fail

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 48.7959, 0.3552, 0.2687 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 48.7959, 0.3552, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 48.7959, 0.3552, 0.2687.

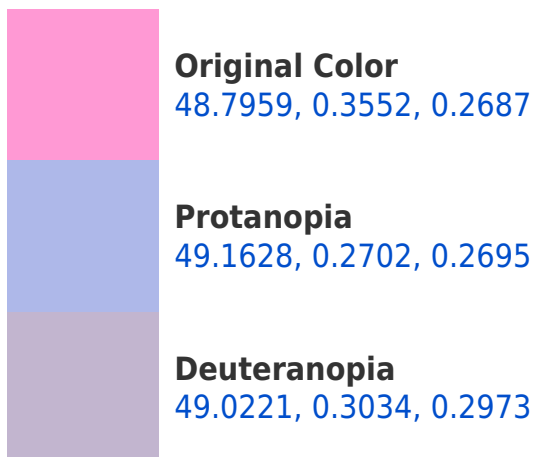


This preview shows how white text looks on a background with the Yxy color 48.7959, 0.3552, 0.2687.

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





Tritanopia

49.0161, 0.3878, 0.3164

Trichromacy



Original Color

48.7959, 0.3552, 0.2687



Protanomaly

48.0199, 0.2972, 0.2684



Deuteranomaly

48.3282, 0.3209, 0.2851



Tritanomaly

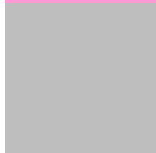
48.7370, 0.3757, 0.2985

Monochromacy



Original Color

48.7959, 0.3552, 0.2687



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.8176, 0.3278, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7959, 0.3552, 0.2687 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, 153, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 212)  
}
```

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, 153, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.7959, 0.3552, 0.2687 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, 153, 212) }
```

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

```
.border{ border-color:rgb(255, 153, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7959, 0.3552, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 212) }
```

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

```
.background{ background-color: rgb(255,  
153, 212) }
```

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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