

Converting Colors

$Y_{xy}(52.7793, 0.3494, 0.2754)$

Have a look what the booklet for
Yxy(52.7793, 0.3494, 0.2754)
contains.

Yxy(52.7688, 0.3498, 0.2758)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.7688, 0.3498, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	FFA4D8
RGB	255, 164, 216
RGB Percent	100%, 64%, 85%
CMY	0.0000, 0.3570, 0.1529
CMYK	0.00, 0.36, 0.15, 0.00
HSL	326°, 100%, 82%
HSV	326°, 36%, 100%
XYZ	66.9272, 52.7688, 71.6339
YIQ	197.1370, 37.5440, 35.4640

Conversions

Conversions Part 2

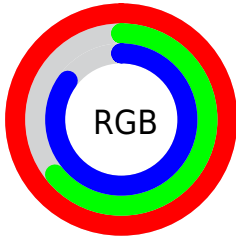
Format	Color
R _Y B	255, 164, 216
Decimal	16753880
CIE Lab	77.74, 40.78, -12.33
CIE LCh	78, 42.606, 343.180
Yxy	52.7688, 0.3498, 0.2758
Android (android.graphics.Color)	4294943960 (0xFFFFA4D8)
YUV	197.1370, 9.2995, 50.7459
Hunter-Lab	72.6421, 37.3333, -7.6176

Details

The Yxy color **52.7688, 0.3498, 0.2758** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.7195, 0.2877, 0.3895**, and the grayscale version is **55.8381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **25.8124, 0.3593, 0.2639** is the 20% darker color. If you saturate the color by 10%, you get **43.9856, 0.3646, 0.2611**, and if you desaturate by 10%, it is **63.4020, 0.3370, 0.2911**.

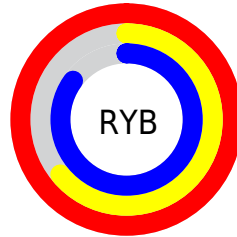
Distribution



Red (100%)

Green (64%)

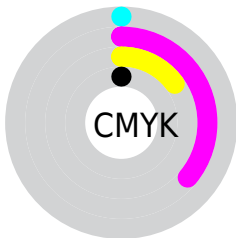
Blue (85%)



Red (100%)

Yellow (64%)

Blue (85%)

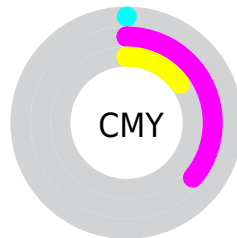


Cyan (0%)

Magenta (36%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7688, 0.3498, 0.2758 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 52.7688, 0.3498, 0.2758 by changing the saturation by 10% instead.

 52.7688, 0.3498,
0.2758

 52.7688, 0.3498,
0.2758


397.3975, 0.3322,
0.3007

 37.6182, 0.3539,
0.2701


 94.2641, 0.3436,
0.2845

 25.6865, 0.3590,
0.2630


 121.3776, 0.3412,
0.2878

 16.5893, 0.3656,
0.2540


153.2475, 0.3392,
0.2907

 9.9421, 0.3744,
0.2421

190.2583, 0.3374,
0.2932

 5.3606, 0.3865,
0.2260

232.7942, 0.3359,
0.2954

 2.4603, 0.4044,
0.2027

281.2398, 0.3345,

 0.8567, 0.4334,

0.2974

0.1666

335.9795, 0.3333,
0.2991

0.0000, 0.5625,
0.0000

0.0000, 0.0000,
0.0000

52.7688, 0.3498,
0.2758

52.7688, 0.3498,
0.2758

43.9856, 0.3646,
0.2611

63.4020, 0.3370,
0.2911

36.9673, 0.3815,
0.2479

76.0123, 0.3262,
0.3063

31.5829, 0.4002,
0.2373

90.6854, 0.3172,
0.3210

27.6938, 0.4203,
0.2307

100.0000, 0.3127,
0.3290

■ 25.1384, 0.4408,
0.2291

■ 23.7166, 0.4608,
0.2330

■ 23.3288, 0.4693,
0.2359

Harmonies

Analogous

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



52.7688, 0.2916, 0.2490



52.7688, 0.3498, 0.2758



52.7688, 0.4009, 0.3146

Triad

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



52.7688, 0.3498, 0.2758



52.7688, 0.3791, 0.4290



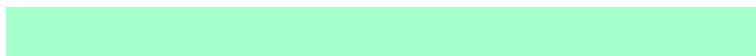
52.7688, 0.2113, 0.2826

Complementary

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



52.7688, 0.3498, 0.2758



83.7195, 0.2877, 0.3895

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.



52.7688, 0.2301, 0.3351



52.7688, 0.3498, 0.2758



52.7688, 0.3254, 0.4286

Square

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



52.7688, 0.3498, 0.2758



52.7688, 0.4169, 0.4008



52.7688, 0.2710, 0.3923



52.7688, 0.2163, 0.2497

Rectangle

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



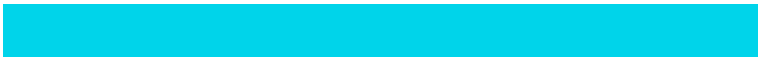
52.7688, 0.3498, 0.2758



52.7688, 0.4214, 0.3440



52.7688, 0.2710, 0.3923



52.7688, 0.2149, 0.2984

Sweetspot

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



52.7603, 0.3497, 0.2758



82.6411, 0.3218, 0.3133



46.3044, 0.2747, 0.2286



17.2689, 0.3230, 0.3113



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.



52.7603, 0.3497, 0.2758



46.1740, 0.3604, 0.2649



50.7633, 0.3918, 0.3212



18.1612, 0.3204, 0.3155



12.2203, 0.4661, 0.2342



1.2118, 0.4450, 0.2225

Inverse Universe

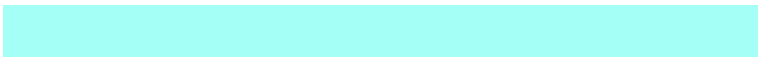
The Inverse Universe completely reimagines the original color for something new.



52.7603, 0.3497, 0.2758



46.1740, 0.3604, 0.2649



86.1508, 0.2659, 0.3373



18.1612, 0.3204, 0.3155



12.2203, 0.4661, 0.2342



1.2118, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 52.7688, 0.3498, 0.2758 looks on a white background.

Color Contrast Check

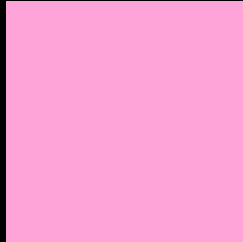
Large Text (above 18pt) WCAG AA × Fail

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 52.7688, 0.3498, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

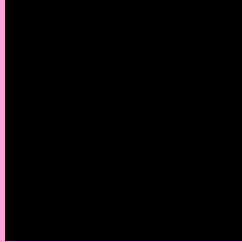
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.7688, 0.3498, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 52.7688, 0.3498, 0.2758.



This preview shows how white text looks on a background with the Yxy color 52.7688, 0.3498, 0.2758.

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

52.7688, 0.3498, 0.2758

Protanopia

53.2694, 0.2767, 0.2780

Deuteranopia

52.8507, 0.3060, 0.2994



Tritanopia

52.6776, 0.3754, 0.3153

Trichromacy



Original Color

52.7688, 0.3498, 0.2758



Protanomaly

52.1491, 0.3006, 0.2765



Deuteranomaly

52.4164, 0.3213, 0.2906



Tritanomaly

52.6408, 0.3656, 0.3007

Monochromacy



Original Color

52.7688, 0.3498, 0.2758



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.9630, 0.3254, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7688, 0.3498, 0.2758 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 216) }
```

Border

The CSS property to change the border of an element to Yxy 52.7688, 0.3498, 0.2758 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, 216) }
```

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

```
.border{ border-color:rgb(255, 164, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7688, 0.3498, 0.2758 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
164, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor