

Converting Colors

$Y_{xy}(100.0000, 0.4808, 0.3098)$

Have a look what the booklet for
Yxy(100.0000, 0.4808, 0.3098)
contains.

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Color

Yxy(54.3212, 0.3604, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	FFAACB
RGB	255, 170, 203
RGB Percent	100%, 67%, 80%
CMY	0.0001, 0.3333, 0.2039
CMYK	0.00, 0.33, 0.20, 0.00
HSL	337°, 100%, 83%
HSV	337°, 33%, 100%
XYZ	66.3864, 54.3212, 63.4945
YIQ	199.1770, 40.0670, 28.2830

Conversions

Conversions Part 2

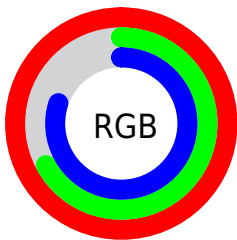
Format	Color
R _Y B	255, 170, 203
Decimal	16755403
CIE Lab	78.65, 35.66, -3.90
CIE LCh	79, 35.871, 353.751
Yxy	54.3212, 0.3604, 0.2949
Android (android.graphics.Color)	4294945483 (0xFFFFAACB)
YUV	199.1770, 1.8847, 48.9568
Hunter-Lab	73.7029, 31.8002, 0.5142

Details

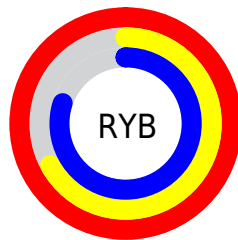
The Yxy color **54.3212, 0.3604, 0.2949** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.3202, 0.2812, 0.3663**, and the grayscale version is **57.1990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **26.7628, 0.3730, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **44.9655, 0.3816, 0.2846**, and if you desaturate by 10%, it is **65.6104, 0.3427, 0.3055**.

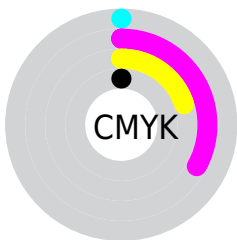
Distribution



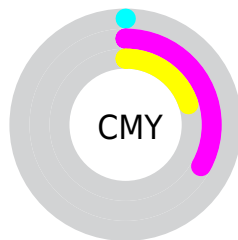
- Red (100%)
- Green (67%)
- Blue (80%)



- Red (100%)
- Yellow (67%)
- Blue (80%)



- Cyan (0%)
- Magenta (33%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3212, 0.3604, 0.2949 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 54.3212, 0.3604, 0.2949 by changing the saturation by 10% instead.


 54.3212, 0.3604,
0.2949

 54.3212, 0.3604,
0.2949


403.3337, 0.3373,
0.3112

 38.8585, 0.3659,
0.2911


 96.5457, 0.3522,
0.3007

 26.6497, 0.3729,
0.2862


124.0763, 0.3491,
0.3029

 17.3103, 0.3819,
0.2800


156.3983, 0.3464,
0.3048

 10.4560, 0.3942,
0.2717

193.8962, 0.3441,
0.3064

 5.7023, 0.4115,
0.2600

236.9542, 0.3421,
0.3078

 2.6649, 0.4382,
0.2425

285.9569, 0.3403,

 0.9594, 0.4837,

0.3091

0.2136

341.2886, 0.3387,
0.3102

0.0000, 0.8687,
0.0000

0.0000, 0.0000,
0.0000

54.3212, 0.3604,
0.2949

54.3212, 0.3604,
0.2949

44.9655, 0.3816,
0.2846

65.6104, 0.3427,
0.3055

37.4260, 0.4065,
0.2753

78.9267, 0.3281,
0.3160

31.5843, 0.4349,
0.2682

94.3663, 0.3162,
0.3259

27.3046, 0.4660,
0.2646

99.9938, 0.3127,
0.3290

■ 24.4300, 0.4980,
0.2657

■ 22.7699, 0.5286,
0.2722

■ 22.1553, 0.5474,
0.2789

Harmonies

Analogous

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



54.3212, 0.3123, 0.2675



54.3212, 0.3604, 0.2949



54.3212, 0.3965, 0.3308

Triad

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



54.3212, 0.3604, 0.2949



54.3212, 0.3542, 0.4153



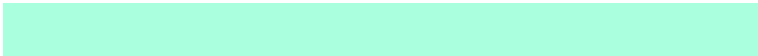
54.3212, 0.2258, 0.2788

Complementary

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



54.3212, 0.3604, 0.2949



85.3202, 0.2812, 0.3663

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.



54.3212, 0.2351, 0.3181



54.3212, 0.3604, 0.2949



54.3212, 0.3075, 0.4033

Square

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



54.3212, 0.3604, 0.2949



54.3212, 0.3916, 0.4004



54.3212, 0.2641, 0.3656



54.3212, 0.2372, 0.2568

Rectangle

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



54.3212, 0.3604, 0.2949



54.3212, 0.4073, 0.3562



54.3212, 0.2641, 0.3656



54.3212, 0.2266, 0.2903

Sweetspot

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



54.3237, 0.3604, 0.2949



83.8316, 0.3239, 0.3193



51.3457, 0.2898, 0.2390



17.4944, 0.3257, 0.3179



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.



54.3237, 0.3604, 0.2949



47.8757, 0.3742, 0.2879



56.2034, 0.3881, 0.3382



18.1039, 0.3233, 0.3198



11.6070, 0.5431, 0.2766



1.1508, 0.5126, 0.2597

Inverse Universe

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



54.3237, 0.3604, 0.2949



47.8757, 0.3742, 0.2879



81.9659, 0.2640, 0.3195



18.1039, 0.3233, 0.3198



11.6070, 0.5431, 0.2766



1.1508, 0.5126, 0.2597

Previews

White Background



This preview shows how the Yxy color 54.3212, 0.3604, 0.2949 looks on a white background.

Color Contrast Check

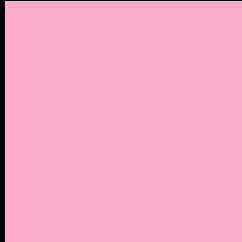
Large Text (above 18pt) WCAG AA × Fail

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 54.3212, 0.3604, 0.2949 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 54.3212, 0.3604, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 54.3212, 0.3604, 0.2949.



This preview shows how white text looks on a background with the Yxy color 54.3212, 0.3604, 0.2949.

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

54.3212, 0.3604, 0.2949

Protanopia

54.8520, 0.2940, 0.3004

Deuteranopia

54.5624, 0.3232, 0.3162



Tritanopia

54.3150, 0.3735, 0.3155

Trichromacy



Original Color

54.3212, 0.3604, 0.2949



Protanomaly

53.9491, 0.3159, 0.2970



Deuteranomaly

54.1669, 0.3367, 0.3077



Tritanomaly

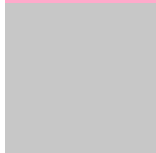
54.3816, 0.3692, 0.3082

Monochromacy



Original Color

54.3212, 0.3604, 0.2949



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

55.1966, 0.3291, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3212, 0.3604, 0.2949 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, 170, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 203)  
}
```

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, 170, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 203) }
```

Border

The CSS property to change the border of an element to Yxy 54.3212, 0.3604, 0.2949 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, 170, 203) }
```

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

```
.border{ border-color:rgb(255, 170, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3212, 0.3604, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 203) }
```

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

```
.background{ background-color: rgb(255,  
170, 203) }
```

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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