

Converting Colors

$Y_{xy}(54.3779, 0.3339, 0.2606)$

Have a look what the booklet for
Yxy(54.3779, 0.3339, 0.2606)
contains.

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Color

Yxy(54.4729, 0.3338, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6EA
RGB	255, 166, 234
RGB Percent	100%, 65%, 92%
CMY	0.0001, 0.3489, 0.0824
CMYK	0.00, 0.35, 0.08, 0.00
HSL	314°, 100%, 83%
HSV	314°, 35%, 100%
XYZ	69.7203, 54.4729, 84.6753
YIQ	200.3630, 31.2160, 40.0160

Conversions

Conversions Part 2

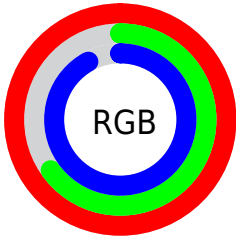
Format	Color
R _Y B	255, 166, 234
Decimal	16754410
CIE Lab	78.74, 42.58, -20.58
CIE LCh	79, 47.296, 334.205
Yxy	54.4729, 0.3338, 0.2608
Android (android.graphics.Color)	4294944490 (0xFFFFA6EA)
YUV	200.3630, 16.5830, 47.9166
Hunter-Lab	73.8058, 39.4592, -16.3577

Details

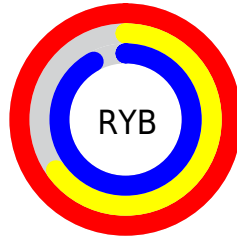
The Yxy color **54.4729, 0.3338, 0.2608** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.2034, 0.2970, 0.4088**, and the grayscale version is **57.8773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **26.6730, 0.3386, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **45.7650, 0.3418, 0.2418**, and if you desaturate by 10%, it is **65.0351, 0.3267, 0.2806**.

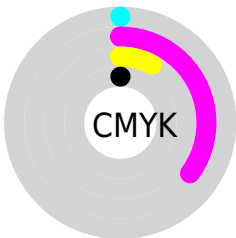
Distribution



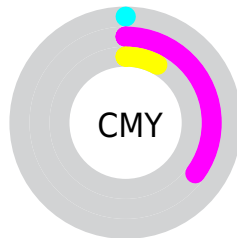
- Red (100%)
- Green (65%)
- Blue (92%)



- Red (100%)
- Yellow (65%)
- Blue (92%)



- Cyan (0%)
- Magenta (35%)
- Yellow (8%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4729, 0.3338, 0.2608 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 54.4729, 0.3338, 0.2608 by changing the saturation by 10% instead.

 54.4729, 0.3338,
0.2608


 54.4729, 0.3338,
0.2608


403.9108, 0.3244,
0.2920

 38.9799, 0.3358,
0.2538

 96.7682, 0.3306,
0.2715

 26.7441, 0.3383,
0.2452


 124.3393, 0.3294,
0.2757

 17.3811, 0.3413,
0.2345


156.7052, 0.3283,
0.2793

 10.5066, 0.3451,
0.2207

194.2504, 0.3273,
0.2825

 5.7361, 0.3499,
0.2023

237.3591, 0.3265,
0.2853

 2.6853, 0.3561,
0.1768

286.4158, 0.3257,

 0.9697, 0.3641,

0.2878

0.1398

341.8049, 0.3251,
0.2900

0.0000, 0.4069,
0.0000

0.0000, 0.0000,
0.0000

54.4729, 0.3338,
0.2608

54.4729, 0.3338,
0.2608

45.7650, 0.3418,
0.2418

65.0351, 0.3267,
0.2806

38.7946, 0.3505,
0.2246

77.5444, 0.3204,
0.3005

33.4436, 0.3599,
0.2103

92.0964, 0.3151,
0.3199

29.5756, 0.3695,
0.1998

99.9959, 0.3127,
0.3290

■ 27.0319, 0.3791,
0.1940

■ 25.6173, 0.3883,
0.1929

■ 25.1883, 0.3929,
0.1938

Harmonies

Analogous

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



54.4729, 0.2720, 0.2369



54.4729, 0.3338, 0.2608



54.4729, 0.3950, 0.2994

Triad

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



54.4729, 0.3338, 0.2608



54.4729, 0.3996, 0.4314



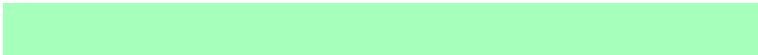
54.4729, 0.2058, 0.2929

Complementary

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



54.4729, 0.3338, 0.2608



83.2034, 0.2970, 0.4088

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.



54.4729, 0.2334, 0.3549



54.4729, 0.3338, 0.2608



54.4729, 0.3443, 0.4433

Square

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



54.4729, 0.3338, 0.2608



54.4729, 0.4334, 0.3935



54.4729, 0.2834, 0.4149



54.4729, 0.2037, 0.2503

Rectangle

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



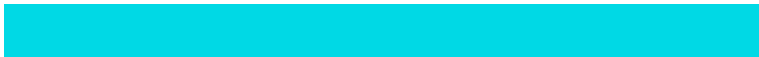
54.4729, 0.3338, 0.2608



54.4729, 0.4240, 0.3300



54.4729, 0.2834, 0.4149



54.4729, 0.2122, 0.3121

Sweetspot

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



54.4754, 0.3338, 0.2608



84.4143, 0.3177, 0.3101



45.0346, 0.2637, 0.2278



17.6355, 0.3185, 0.3073



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.



54.4754, 0.3338, 0.2608



48.1067, 0.3394, 0.2472



52.2417, 0.3737, 0.3044



18.2228, 0.3174, 0.3110



13.1883, 0.3915, 0.1930



1.3009, 0.3817, 0.1876

Inverse Universe

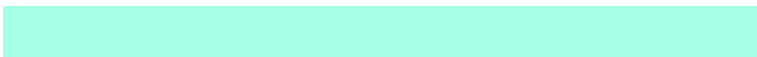
The Inverse Universe completely reimagines the original color for something new.



54.4754, 0.3338, 0.2608



48.1067, 0.3394, 0.2472



85.3993, 0.2746, 0.3556



18.2228, 0.3174, 0.3110



13.1883, 0.3915, 0.1930



1.3009, 0.3817, 0.1876

Previews

White Background



This preview shows how the Yxy color 54.4729, 0.3338, 0.2608 looks on a white background.

Color Contrast Check

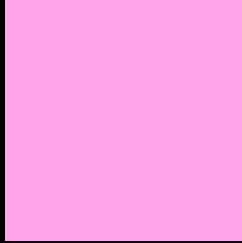
Large Text (above 18pt) WCAG AA × Fail

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 54.4729, 0.3338, 0.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

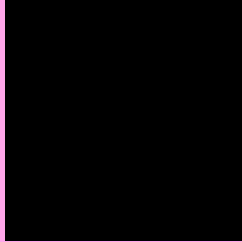
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.4729, 0.3338, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 54.4729, 0.3338, 0.2608.



This preview shows how white text looks on a background with the Yxy color 54.4729, 0.3338, 0.2608.

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

54.4729, 0.3338, 0.2608

Protanopia

54.9351, 0.2634, 0.2602

Deuteranopia

54.9245, 0.2908, 0.2849



Tritanopia

54.4305, 0.3677, 0.3153

Trichromacy



Original Color

54.4729, 0.3338, 0.2608



Protanomaly

53.7862, 0.2857, 0.2592



Deuteranomaly

54.2855, 0.3056, 0.2748



Tritanomaly

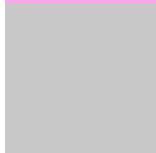
54.4221, 0.3548, 0.2945

Monochromacy



Original Color

54.4729, 0.3338, 0.2608



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

55.9355, 0.3205, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4729, 0.3338, 0.2608 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, 166, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 234)  
}
```

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, 166, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 234) }
```

Border

The CSS property to change the border of an element to Yxy 54.4729, 0.3338, 0.2608 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, 166, 234) }
```

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

```
.border{ border-color:rgb(255, 166, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 166, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 166, 234); box-shadow:4px 4px 4px 4px rgb(255, 166, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4729, 0.3338, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 234) }
```

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

```
.background{ background-color: rgb(255,  
166, 234) }
```

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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