

Converting Colors

$Y_{xy}(100.0000, 0.4532, 0.2869)$

Have a look what the booklet for
Yxy(100.0000, 0.4532, 0.2869)
contains.

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Color

Yxy(54.5886, 0.3321, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6EC
RGB	255, 166, 236
RGB Percent	100%, 65%, 93%
CMY	0.0000, 0.3490, 0.0743
CMYK	0.00, 0.35, 0.07, 0.00
HSL	313°, 100%, 83%
HSV	313°, 35%, 100%
XYZ	70.0227, 54.5886, 86.2369
YIQ	200.5910, 30.5740, 40.6380

Conversions

Conversions Part 2

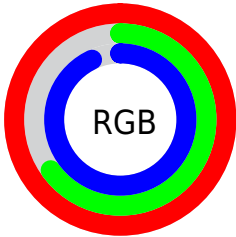
Format	Color
R _Y B	255, 166, 236
Decimal	16754412
CIE Lab	78.80, 42.95, -21.59
CIE LCh	79, 48.067, 333.311
Yxy	54.5886, 0.3321, 0.2589
Android (android.graphics.Color)	4294944492 (0xFFFFA6EC)
YUV	200.5910, 17.4566, 47.7167
Hunter-Lab	73.8841, 39.8739, -17.4839

Details

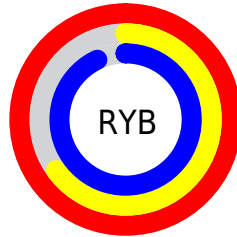
The Yxy color **54.5886, 0.3321, 0.2589** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.1274, 0.2980, 0.4113**, and the grayscale version is **58.0196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **26.7539, 0.3363, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **45.9096, 0.3394, 0.2395**, and if you desaturate by 10%, it is **65.1182, 0.3256, 0.2792**.

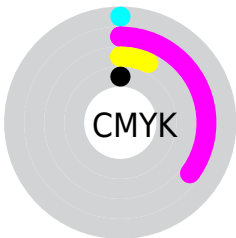
Distribution



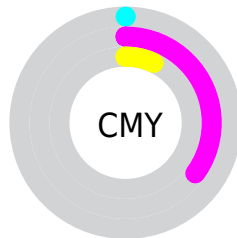
- Red (100%)
- Green (65%)
- Blue (93%)



- Red (100%)
- Yellow (65%)
- Blue (93%)



- Cyan (0%)
- Magenta (35%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5886, 0.3321, 0.2589 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 54.5886, 0.3321, 0.2589 by changing the saturation by 10% instead.


 54.5886, 0.3321,
0.2589


 54.5886, 0.3321,
0.2589


404.3506, 0.3236,
0.2909

 39.0724, 0.3339,
0.2517


 96.9379, 0.3293,
0.2699

 26.8161, 0.3361,
0.2430


 124.5399, 0.3281,
0.2742

 17.4351, 0.3387,
0.2320


156.9392, 0.3271,
0.2779

 10.5452, 0.3420,
0.2180

194.5204, 0.3263,
0.2811

 5.7619, 0.3461,
0.1993

237.6677, 0.3255,
0.2840

 2.7009, 0.3511,
0.1736

286.7655, 0.3248,

 0.9776, 0.3572,

0.2865

0.1365

342.1984, 0.3242,
0.2888

0.0000, 0.3939,
0.0000

0.0000, 0.0000,
0.0000

54.5886, 0.3321,
0.2589

54.5886, 0.3321,
0.2589

45.9096, 0.3394,
0.2395

65.1182, 0.3256,
0.2792

38.9671, 0.3472,
0.2219

77.5939, 0.3199,
0.2996

33.6421, 0.3556,
0.2072

92.1103, 0.3149,
0.3196

29.7980, 0.3642,
0.1964

100.0000, 0.3127,
0.3290

■ 27.2764, 0.3726,
0.1902

■ 25.8816, 0.3808,
0.1887

■ 25.4627, 0.3848,
0.1894

Harmonies

Analogous

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



54.5886, 0.2697, 0.2352



54.5886, 0.3321, 0.2589



54.5886, 0.3946, 0.2976

Triad

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



54.5886, 0.3321, 0.2589



54.5886, 0.4022, 0.4320



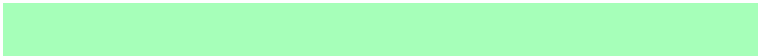
54.5886, 0.2048, 0.2939

Complementary

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



54.5886, 0.3321, 0.2589



83.1274, 0.2980, 0.4113

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.



54.5886, 0.2335, 0.3573



54.5886, 0.3321, 0.2589



54.5886, 0.3465, 0.4454

Square

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



54.5886, 0.3321, 0.2589



54.5886, 0.4357, 0.3928



54.5886, 0.2847, 0.4179



54.5886, 0.2019, 0.2500

Rectangle

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



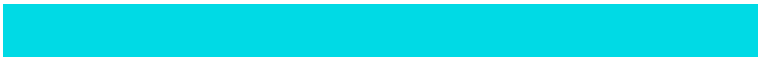
54.5886, 0.3321, 0.2589



54.5886, 0.4247, 0.3285



54.5886, 0.2847, 0.4179



54.5886, 0.2115, 0.3135

Sweetspot

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



54.5902, 0.3321, 0.2589



84.4509, 0.3173, 0.3095



44.6568, 0.2615, 0.2272



17.6444, 0.3180, 0.3067



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.



54.5902, 0.3321, 0.2589



48.2455, 0.3372, 0.2450



52.3682, 0.3709, 0.3013



18.2302, 0.3171, 0.3105



13.3276, 0.3836, 0.1887



1.3134, 0.3750, 0.1839

Inverse Universe

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



54.5902, 0.3321, 0.2589



48.2455, 0.3372, 0.2450



85.2447, 0.2760, 0.3591



18.2302, 0.3171, 0.3105



13.3276, 0.3836, 0.1887



1.3134, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 54.5886, 0.3321, 0.2589 looks on a white background.

Color Contrast Check

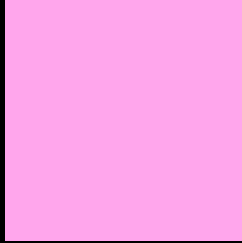
Large Text (above 18pt) WCAG AA × Fail

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 54.5886, 0.3321, 0.2589 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 54.5886, 0.3321, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 54.5886, 0.3321, 0.2589.

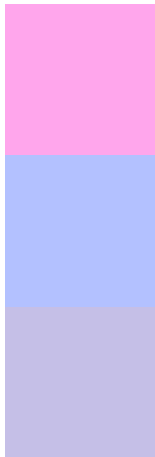


This preview shows how white text looks on a background with the Yxy color 54.5886, 0.3321, 0.2589.

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

54.5886, 0.3321, 0.2589

Protanopia

54.9436, 0.2616, 0.2580

Deuteranopia

54.9014, 0.2887, 0.2827



Tritanopia

54.4738, 0.3668, 0.3142

Trichromacy



Original Color

54.5886, 0.3321, 0.2589



Protanomaly

53.9097, 0.2844, 0.2572



Deuteranomaly

54.2445, 0.3033, 0.2726



Tritanomaly

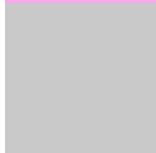
54.4705, 0.3539, 0.2935

Monochromacy



Original Color

54.5886, 0.3321, 0.2589



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.1936, 0.3198, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5886, 0.3321, 0.2589 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 236) }
```

Border

The CSS property to change the border of an element to Yxy 54.5886, 0.3321, 0.2589 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, 236) }
```

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

```
.border{ border-color:rgb(255, 166, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5886, 0.3321, 0.2589 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
166, 236) }
```

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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