

Converting Colors

$Y_{xy}(65.3764, 0.3914, 0.2911)$

Have a look what the booklet for
Yxy(65.3764, 0.3914, 0.2911)
contains.

Yxy(54.8645, 0.3506, 0.2839)	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(54.8645, 0.3506, 0.2839)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAD6
RGB	255, 170, 214
RGB Percent	100%, 67%, 84%
CMY	0.0000, 0.3333, 0.1608
CMYK	0.00, 0.33, 0.16, 0.00
HSL	329°, 100%, 83%
HSV	329°, 33%, 100%
XYZ	67.7545, 54.8645, 70.6339
YIQ	200.4310, 36.5360, 31.7040

Conversions

Conversions Part 2

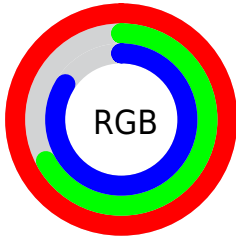
Format	Color
R_{YB}	255, 170, 214
Decimal	16755414
CIE _{Lab}	78.96, 37.33, -9.40
CIE _{LCh}	79, 38.495, 345.860
Yxy	54.8645, 0.3506, 0.2839
Android (android.graphics.Color)	4294945494 (0xFFFFAAD6)
YUV	200.4310, 6.6895, 47.8570
Hunter-Lab	74.0706, 33.6555, -4.6897

Details

The Yxy color **54.8645, 0.3506, 0.2839** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.7697, 0.2868, 0.3793**, and the grayscale version is **57.9790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **27.0961, 0.3604, 0.2740** is the 20% darker color. If you saturate the color by 10%, you get **45.6088, 0.3669, 0.2703**, and if you desaturate by 10%, it is **66.0229, 0.3368, 0.2979**.

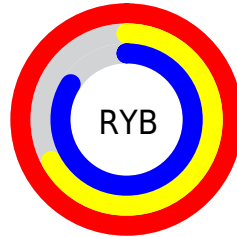
Distribution



Red (100%)

Green (67%)

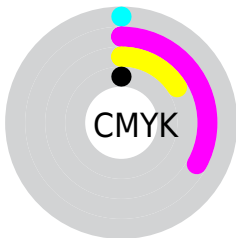
Blue (84%)



Red (100%)

Yellow (67%)

Blue (84%)

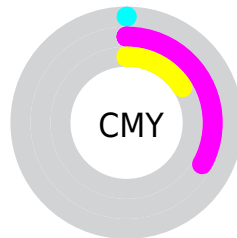


Cyan (0%)

Magenta (33%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8645, 0.3506, 0.2839 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 54.8645, 0.3506, 0.2839 by changing the saturation by 10% instead.


 54.8645, 0.3506,
0.2839

 54.8645, 0.3506,
0.2839

405.3981, 0.3326,
0.3050

 39.2932, 0.3548,
0.2790


 97.3424, 0.3443,
0.2913

 26.9879, 0.3601,
0.2730


125.0178, 0.3418,
0.2941

 17.5642, 0.3670,
0.2652


157.4968, 0.3397,
0.2966

 10.6375, 0.3760,
0.2551

195.1636, 0.3379,
0.2987

 5.8237, 0.3887,
0.2411

238.4028, 0.3363,
0.3006

 2.7382, 0.4077,
0.2208

287.5987, 0.3349,

 0.9966, 0.4388,

0.3022

0.1890

343.1356, 0.3337,
0.3037

■ 0.0000, 0.6010,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8645, 0.3506,
0.2839

■ 54.8645, 0.3506,
0.2839

■ 45.6088, 0.3669,
0.2703

■ 66.0229, 0.3368,
0.2979

■ 38.1454, 0.3857,
0.2579

■ 79.1823, 0.3252,
0.3116

■ 32.3551, 0.4070,
0.2478

■ 94.4361, 0.3155,
0.3248

■ 28.1035, 0.4300,
0.2413

100.0000, 0.3127,
0.3290

■ 25.2348, 0.4539,
0.2397

■ 23.5600, 0.4774,
0.2435

■ 22.9256, 0.4925,
0.2487

Harmonies

Analogous

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



54.8645, 0.2986, 0.2582



54.8645, 0.3506, 0.2839



54.8645, 0.3944, 0.3200

Triad

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



54.8645, 0.3506, 0.2839



54.8645, 0.3688, 0.4195



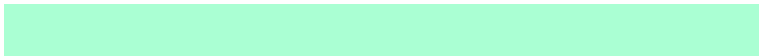
54.8645, 0.2207, 0.2846

Complementary

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



54.8645, 0.3506, 0.2839



84.7697, 0.2868, 0.3793

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.



54.8645, 0.2362, 0.3303



54.8645, 0.3506, 0.2839



54.8645, 0.3201, 0.4154

Square

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



54.8645, 0.3506, 0.2839



54.8645, 0.4040, 0.3971



54.8645, 0.2718, 0.3809



54.8645, 0.2271, 0.2562

Rectangle

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



54.8645, 0.3506, 0.2839



54.8645, 0.4110, 0.3469



54.8645, 0.2718, 0.3809



54.8645, 0.2235, 0.2983

Sweetspot

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



54.8651, 0.3506, 0.2839



84.0286, 0.3218, 0.3161



49.6231, 0.2810, 0.2367



17.5420, 0.3232, 0.3142



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.



54.8651, 0.3506, 0.2839



48.4887, 0.3612, 0.2747



53.0210, 0.3885, 0.3262



18.1441, 0.3213, 0.3168



12.0095, 0.4890, 0.2467



1.1914, 0.4645, 0.2333

Inverse Universe

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



54.8651, 0.3506, 0.2839



48.4887, 0.3612, 0.2747



87.1051, 0.2665, 0.3320



18.1441, 0.3213, 0.3168



12.0095, 0.4890, 0.2467



1.1914, 0.4645, 0.2333

Previews

White Background



This preview shows how the Yxy color 54.8645, 0.3506, 0.2839 looks on a white background.

Color Contrast Check

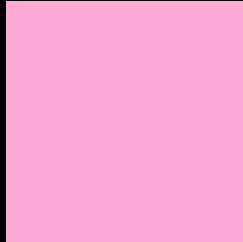
Large Text (above 18pt) WCAG AA × Fail

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 54.8645, 0.3506, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

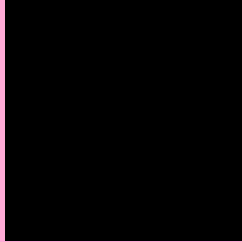
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8645, 0.3506, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 54.8645, 0.3506, 0.2839.



This preview shows how white text looks on a background with the Yxy color 54.8645, 0.3506, 0.2839.

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

54.8645, 0.3506, 0.2839

Protanopia

55.1156, 0.2837, 0.2866

Deuteranopia

54.8900, 0.3122, 0.3057



Tritanopia

54.9862, 0.3703, 0.3154

Trichromacy



Original Color

54.8645, 0.3506, 0.2839



Protanomaly

54.2259, 0.3059, 0.2848



Deuteranomaly

54.5777, 0.3259, 0.2977



Tritanomaly

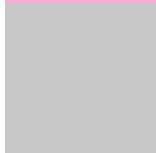
54.8010, 0.3635, 0.3040

Monochromacy



Original Color

54.8645, 0.3506, 0.2839



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

56.0186, 0.3259, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8645, 0.3506, 0.2839 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 214) }
```

Border

The CSS property to change the border of an element to Yxy 54.8645, 0.3506, 0.2839 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, 214) }
```

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

```
.border{ border-color:rgb(255, 170, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8645, 0.3506, 0.2839 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
170, 214) }
```

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