

Converting Colors

$Y_{xy}(54.6370, 0.3644, 0.2681)$

Have a look what the booklet for
Yxy(54.6370, 0.3644, 0.2681)
contains.

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Color

Yxy(50.5944, 0.3463, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	FF9DDD
RGB	255, 157, 221
RGB Percent	100%, 62%, 87%
CMY	0.0000, 0.3844, 0.1333
CMYK	0.00, 0.38, 0.13, 0.00
HSL	321°, 100%, 81%
HSV	321°, 38%, 100%
XYZ	66.3668, 50.5944, 74.6842
YIQ	193.5980, 37.8640, 40.6800

Conversions

Conversions Part 2

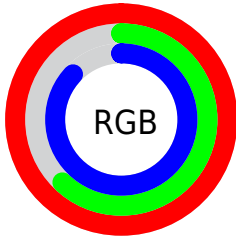
Format	Color
R _Y B	255, 157, 221
Decimal	16752093
CIE Lab	76.43, 45.17, -17.01
CIE LCh	76, 48.264, 339.358
Yxy	50.5944, 0.3463, 0.2640
Android (android.graphics.Color)	4294942173 (0xFFFF9DDD)
YUV	193.5980, 13.5092, 53.8496
Hunter-Lab	71.1297, 42.0704, -12.4620

Details

The Yxy color **50.5944, 0.3463, 0.2640** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.4445, 0.2901, 0.4050**, and the grayscale version is **53.5896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **24.3240, 0.3546, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **42.3811, 0.3585, 0.2478**, and if you desaturate by 10%, it is **60.6132, 0.3355, 0.2812**.

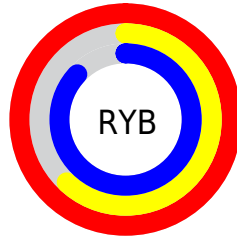
Distribution



Red (100%)

Green (62%)

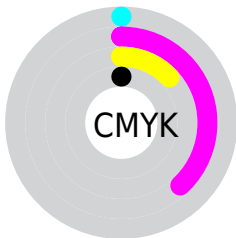
Blue (87%)



Red (100%)

Yellow (62%)

Blue (87%)

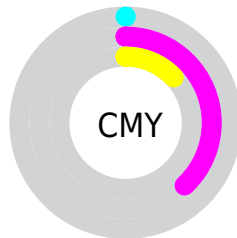


Cyan (0%)

Magenta (38%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5944, 0.3463, 0.2640 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 50.5944, 0.3463, 0.2640 by changing the saturation by 10% instead.


 50.5944, 0.3463,
0.2640

 50.5944, 0.3463,
0.2640


388.9859, 0.3306,
0.2942

 35.8859, 0.3499,
0.2571


 91.0549, 0.3408,
0.2745

 24.3461, 0.3544,
0.2486


 117.5758, 0.3387,
0.2786

 15.5906, 0.3600,
0.2378


148.8029, 0.3369,
0.2821

 9.2349, 0.3674,
0.2238

185.1206, 0.3353,
0.2851

 4.8947, 0.3775,
0.2048

226.9134, 0.3339,
0.2878

 2.1856, 0.3919,
0.1780

274.5656, 0.3327,

 0.7121, 0.4147,

0.2902

0.1361

328.4616, 0.3316,
0.2923

0.0000, 0.4891,
0.0000

0.0000, 0.0000,
0.0000

50.5944, 0.3463,
0.2640

50.5944, 0.3463,
0.2640

42.3811, 0.3585,
0.2478

60.6132, 0.3355,
0.2812

35.8894, 0.3722,
0.2335

72.5705, 0.3262,
0.2985

30.9835, 0.3870,
0.2223

86.5521, 0.3184,
0.3153

27.5199, 0.4024,
0.2153

100.0000, 0.3127,
0.3290

■ 25.3288, 0.4179,
0.2134

■ 24.1723, 0.4330,
0.2165

■ 24.0352, 0.4353,
0.2172

Harmonies

Analogous

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



50.5944, 0.2803, 0.2362



50.5944, 0.3463, 0.2640



50.5944, 0.4079, 0.3059

Triad

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



50.5944, 0.3463, 0.2640



50.5944, 0.3943, 0.4404



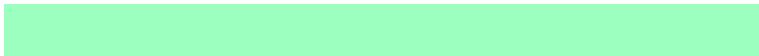
50.5944, 0.1992, 0.2815

Complementary

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



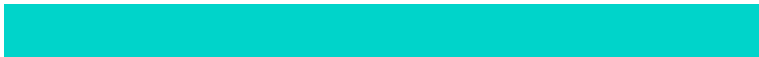
50.5944, 0.3463, 0.2640



82.4445, 0.2901, 0.4050

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.



50.5944, 0.2232, 0.3441



50.5944, 0.3463, 0.2640



50.5944, 0.3343, 0.4471

Square

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



50.5944, 0.3463, 0.2640



50.5944, 0.4348, 0.4035



50.5944, 0.2717, 0.4101



50.5944, 0.2016, 0.2418

Rectangle

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



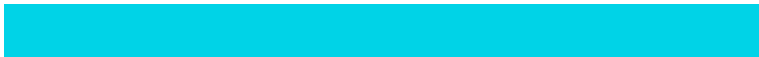
50.5944, 0.3463, 0.2640



50.5944, 0.4344, 0.3382



50.5944, 0.2717, 0.4101



50.5944, 0.2043, 0.3003

Sweetspot

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



50.5846, 0.3462, 0.2640



81.3421, 0.3210, 0.3094



42.2249, 0.2648, 0.2182



17.0151, 0.3220, 0.3072



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.



50.5846, 0.3462, 0.2640



44.2232, 0.3554, 0.2516



48.3924, 0.3925, 0.3120



18.1871, 0.3191, 0.3136



12.5882, 0.4329, 0.2158



1.2463, 0.4168, 0.2070

Inverse Universe

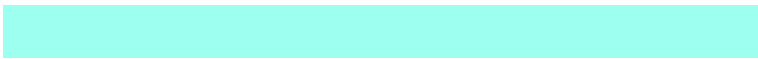
The Inverse Universe completely reimagines the original color for something new.



50.5846, 0.3462, 0.2640



44.2232, 0.3554, 0.2516



84.8970, 0.2667, 0.3473



18.1871, 0.3191, 0.3136



12.5882, 0.4329, 0.2158



1.2463, 0.4168, 0.2070

Previews

White Background



This preview shows how the Yxy color 50.5944, 0.3463, 0.2640 looks on a white background.

Color Contrast Check

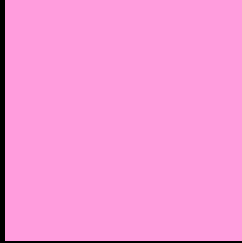
Large Text (above 18pt) WCAG AA × Fail

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 50.5944, 0.3463, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

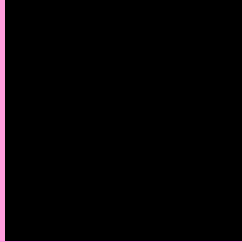
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5944, 0.3463, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 50.5944, 0.3463, 0.2640.



This preview shows how white text looks on a background with the Yxy color 50.5944, 0.3463, 0.2640.

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

50.5944, 0.3463, 0.2640

Protanopia

51.0654, 0.2658, 0.2636

Deuteranopia

50.7082, 0.2967, 0.2906



Tritanopia

50.4486, 0.3807, 0.3153

Trichromacy



Original Color

50.5944, 0.3463, 0.2640



Protanomaly

49.8286, 0.2915, 0.2627



Deuteranomaly

49.9330, 0.3134, 0.2789



Tritanomaly

50.4311, 0.3679, 0.2954

Monochromacy



Original Color

50.5944, 0.3463, 0.2640



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.0063, 0.3241, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5944, 0.3463, 0.2640 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, 157, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 221)  
}
```

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, 157, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 221) }
```

Border

The CSS property to change the border of an element to Yxy 50.5944, 0.3463, 0.2640 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, 157, 221) }
```

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

```
.border{ border-color:rgb(255, 157, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5944, 0.3463, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 221) }
```

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

```
.background{ background-color: rgb(255,  
157, 221) }
```

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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