

Converting Colors

Yxy(64.0658, 0.4014, 0.2789)

Have a look what the booklet for
Yxy(64.0658, 0.4014, 0.2789)
contains.

| | |
|--|----|
| Yxy(50.3837, 0.3499, 0.2678) | 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(50.3837, 0.3499, 0.2678)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF9DD9 |
| RGB | 255, 157, 217 |
| RGB Percent | 100%, 62%, 85% |
| CMY | 0.0000, 0.3843, 0.1489 |
| CMYK | 0.00, 0.38, 0.15, 0.00 |
| HSL | 323°, 100%, 81% |
| HSV | 323°, 38%, 100% |
| XYZ | 65.8299, 50.3837, 71.9256 |
| YIQ | 193.1420, 39.1480, 39.4360 |

Conversions

Conversions Part 2

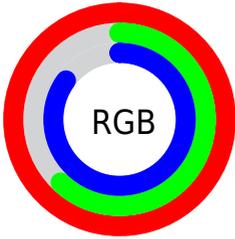
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 157, 217 |
| Decimal | 16752089 |
| CIE Lab | 76.30, 44.52, -15.04 |
| CIE LCh | 76, 46.991, 341.337 |
| Yxy | 50.3837, 0.3499, 0.2678 |
| Android (android.graphics.Color) | 4294942169 (0xFFFF9DD9) |
| YUV | 193.1420, 11.7620, 54.2495 |
| Hunter-Lab | 70.9815, 41.3276, -10.3916 |

Details

The Yxy color $50.3837, 0.3499, 0.2678$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $82.6252, 0.2881, 0.4000$, and the grayscale version is $53.3268, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $24.1794, 0.3598, 0.2529$ is the 20% darker color. If you saturate the color by 10%, you get $42.1376, 0.3637, 0.2525$, and if you desaturate by 10%, it is $60.4586, 0.3379, 0.2840$.

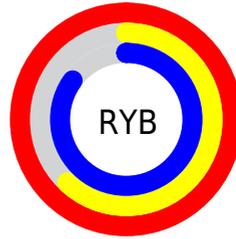
Distribution



Red (100%)

Green (62%)

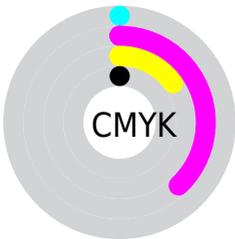
Blue (85%)



Red (100%)

Yellow (62%)

Blue (85%)

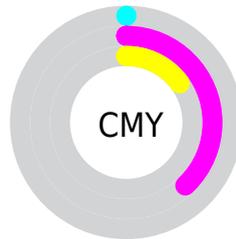


Cyan (0%)

Magenta (38%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3837, 0.3499, 0.2678 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 50.3837, 0.3499, 0.2678 by changing the saturation by 10% instead.

 50.3837, 0.3499,
0.2678

 50.3837, 0.3499,
0.2678

388.1646, 0.3323,
0.2964

 35.7184, 0.3540,
0.2612

 90.7431, 0.3437,
0.2778

 24.2168, 0.3591,
0.2531

 117.2060, 0.3414,
0.2816

 15.4945, 0.3656,
0.2428

148.3702, 0.3393,
0.2849

 9.1672, 0.3742,
0.2293

184.6201, 0.3376,
0.2878

 4.8504, 0.3861,
0.2109

226.3401, 0.3360,
0.2904

 2.1597, 0.4035,
0.1847

273.9145, 0.3346,

 0.6979, 0.4321,

0.2926

0.1425

327.7279, 0.3334,
0.2946

0.0000, 0.5353,
0.0000

0.0000, 0.0000,
0.0000

50.3837, 0.3499,
0.2678

50.3837, 0.3499,
0.2678

42.1376, 0.3637,
0.2525

60.4586, 0.3379,
0.2840

35.6104, 0.3792,
0.2390

72.4695, 0.3276,
0.3003

30.6747, 0.3961,
0.2286

86.5111, 0.3189,
0.3162

27.1869, 0.4139,
0.2224

100.0000, 0.3127,
0.3290

■ 24.9771, 0.4319,
0.2214

■ 23.8075, 0.4493,
0.2255

■ 23.6680, 0.4520,
0.2264

Harmonies

Analogous

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



50.3837, 0.2851, 0.2395



50.3837, 0.3499, 0.2678



50.3837, 0.4087, 0.3096

Triad

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



50.3837, 0.3499, 0.2678



50.3837, 0.3891, 0.4393



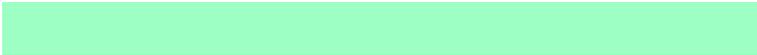
50.3837, 0.2011, 0.2795

Complementary

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



50.3837, 0.3499, 0.2678



82.6252, 0.2881, 0.4000

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.



50.3837, 0.2230, 0.3394



50.3837, 0.3499, 0.2678



50.3837, 0.3299, 0.4428

Square

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



50.3837, 0.3499, 0.2678



50.3837, 0.4302, 0.4050



50.3837, 0.2691, 0.4042



50.3837, 0.2051, 0.2422

Rectangle

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



50.3837, 0.3499, 0.2678



50.3837, 0.4330, 0.3415



50.3837, 0.2691, 0.4042



50.3837, 0.2055, 0.2974

Sweetspot

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



50.3825, 0.3499, 0.2678



81.2665, 0.3218, 0.3106



42.8746, 0.2685, 0.2193



16.9973, 0.3230, 0.3085



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.



50.3825, 0.3499, 0.2678



43.9825, 0.3602, 0.2561



48.2139, 0.3974, 0.3172



18.1741, 0.3198, 0.3145



12.3972, 0.4492, 0.2248



1.2285, 0.4306, 0.2146

Inverse Universe

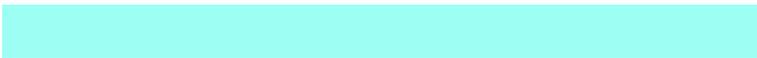
The Inverse Universe completely reimagines the original color for something new.



50.3825, 0.3499, 0.2678



43.9825, 0.3602, 0.2561



85.1925, 0.2644, 0.3417



18.1741, 0.3198, 0.3145



12.3972, 0.4492, 0.2248



1.2285, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 50.3837, 0.3499, 0.2678 looks on a white background.

Color Contrast Check

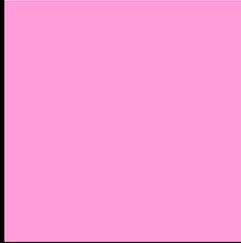
Large Text (above 18pt) WCAG AA × Fail

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 50.3837, 0.3499, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

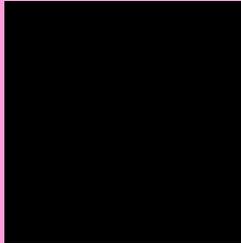
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3837, 0.3499, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 50.3837, 0.3499, 0.2678.



This preview shows how white text looks on a background with the Yxy color 50.3837, 0.3499, 0.2678.

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

50.3837, 0.3499, 0.2678

Protanopia

50.8852, 0.2695, 0.2691

Deuteranopia

50.7702, 0.3012, 0.2953



Tritanopia

50.4086, 0.3817, 0.3164

Trichromacy



Original Color

50.3837, 0.3499, 0.2678



Protanomaly

49.7430, 0.2952, 0.2670



Deuteranomaly

49.8789, 0.3174, 0.2833



Tritanomaly

50.3419, 0.3698, 0.2975

Monochromacy



Original Color

50.3837, 0.3499, 0.2678



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.5057, 0.3259, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3837, 0.3499, 0.2678 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 217) }
```

Border

The CSS property to change the border of an element to Yxy 50.3837, 0.3499, 0.2678 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, 217) }
```

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

```
.border{ border-color:rgb(255, 157, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3837, 0.3499, 0.2678 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
157, 217) }
```

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