

Converting Colors

$Y_{xy}(50.8123, 0.4063, 0.2738)$

Have a look what the booklet for
Yxy(50.8123, 0.4063, 0.2738)
contains.

| | |
|---|----|
| Yxy(42.9455, 0.3725, 0.2655) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(42.9455, 0.3725, 0.2655)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF88C6 |
| RGB | 255, 136, 198 |
| RGB Percent | 100%, 53%, 78% |
| CMY | 0.0000, 0.4668, 0.2234 |
| CMYK | 0.00, 0.47, 0.22, 0.00 |
| HSL | 329°, 100%, 77% |
| HSV | 329°, 47%, 100% |
| XYZ | 60.2531, 42.9455, 58.5547 |
| YIQ | 178.6490, 51.0220, 44.5100 |

Conversions

Conversions Part 2

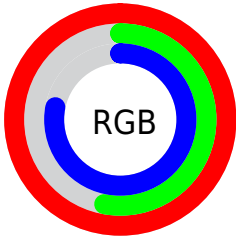
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 255, 136, 198 |
| Decimal | 16746694 |
| CIE _{Lab} | 71.52, 52.29, -11.75 |
| CIE _{LCh} | 72, 53.591, 347.337 |
| Yxy | 42.9455, 0.3725, 0.2655 |
| Android (android.graphics.Color) | 4294936774 (0xFFFF88C6) |
| YUV | 178.6490, 9.5400, 66.9598 |
| Hunter-Lab | 65.5328, 49.4365, -7.1037 |

Details

The Yxy color $42.9455, 0.3725, 0.2655$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $80.5994, 0.2788, 0.4047$, and the grayscale version is $44.8014, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.1793, 0.3156, 0.2673$, and $19.7840, 0.3892, 0.2499$ is the 20% darker color. If you saturate the color by 10%, you get $36.0509, 0.3919, 0.2536$, and if you desaturate by 10%, it is $51.5787, 0.3554, 0.2789$.

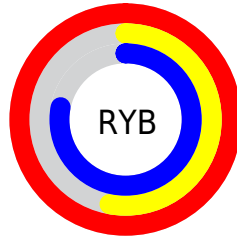
Distribution



Red (100%)

Green (53%)

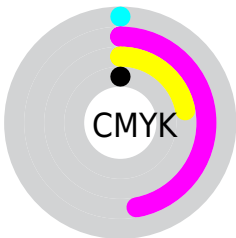
Blue (78%)



Red (100%)

Yellow (53%)

Blue (78%)

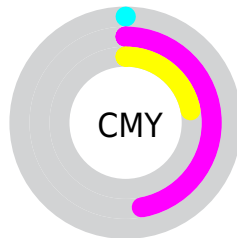


Cyan (0%)

Magenta (47%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9455, 0.3725, 0.2655 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 42.9455, 0.3725, 0.2655 by changing the saturation by 10% instead.


 42.9455, 0.3725,
0.2655

 42.9455, 0.3725,
0.2655


358.3876, 0.3431,
0.2960


 29.8424, 0.3797,
0.2583


 79.6286, 0.3619,
0.2763

 19.7190, 0.3888,
0.2492


 103.9774, 0.3579,
0.2805

 12.1909, 0.4008,
0.2375


 132.8435, 0.3545,
0.2840

 6.8738, 0.4171,
0.2218

166.6113, 0.3516,
0.2871

 3.3833, 0.4406,
0.2000

205.6652, 0.3490,
0.2897

 1.3350, 0.4772,
0.1679

250.3896, 0.3468,

 0.1680, 0.5750,

0.2921

0.0609

301.1690, 0.3448,
0.2942

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.9455, 0.3725,
0.2655

42.9455, 0.3725,
0.2655

36.0509, 0.3919,
0.2536

51.5787, 0.3554,
0.2789

30.7931, 0.4136,
0.2445

62.0849, 0.3409,
0.2930

27.0240, 0.4369,
0.2395

74.5594, 0.3287,
0.3069

24.5787, 0.4605,
0.2396

89.0971, 0.3185,
0.3204

■ 23.2499, 0.4834,
0.2452

100.0000, 0.3127,
0.3290

■ 22.9519, 0.4909,
0.2478

Harmonies

Analogous

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



42.9455, 0.2937, 0.2294



42.9455, 0.3725, 0.2655



42.9455, 0.4391, 0.3154

Triad

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



42.9455, 0.3725, 0.2655



42.9455, 0.3884, 0.4653



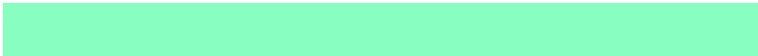
42.9455, 0.1805, 0.2574

Complementary

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



42.9455, 0.3725, 0.2655



80.5994, 0.2788, 0.4047

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.



42.9455, 0.1989, 0.3240



42.9455, 0.3725, 0.2655



42.9455, 0.3161, 0.4631

Square

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



42.9455, 0.3725, 0.2655



42.9455, 0.4442, 0.4263



42.9455, 0.2468, 0.4063



42.9455, 0.1911, 0.2211

Rectangle

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



42.9455, 0.3725, 0.2655



42.9455, 0.4620, 0.3526



42.9455, 0.2468, 0.4063



42.9455, 0.1833, 0.2764

Sweetspot

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



42.9380, 0.3725, 0.2655



78.2476, 0.3258, 0.3106



35.9631, 0.2642, 0.1961



16.1099, 0.3281, 0.3077



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.



42.9380, 0.3725, 0.2655



36.4653, 0.3905, 0.2544



40.7512, 0.4372, 0.3253



18.1453, 0.3212, 0.3167



12.0233, 0.4874, 0.2458



1.1928, 0.4632, 0.2325

Inverse Universe

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



42.9380, 0.3725, 0.2655



36.4653, 0.3905, 0.2544



83.7187, 0.2521, 0.3333



18.1453, 0.3212, 0.3167



12.0233, 0.4874, 0.2458



1.1928, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 42.9455, 0.3725, 0.2655 looks on a white background.

Color Contrast Check

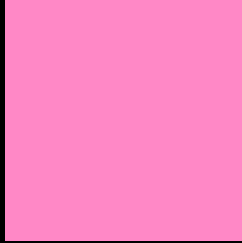
Large Text (above 18pt) WCAG AA × Fail

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 42.9455, 0.3725, 0.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

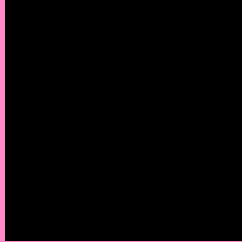
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9455, 0.3725, 0.2655

Background



This preview shows how black text looks on a background with the Yxy color 42.9455, 0.3725, 0.2655.



This preview shows how white text looks on a background with the Yxy color 42.9455, 0.3725, 0.2655.

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

42.9455, 0.3725, 0.2655

Protanopia

43.3863, 0.2675, 0.2664

Deuteranopia

43.2459, 0.3078, 0.3019



Tritanopia

42.8223, 0.4129, 0.3176

Trichromacy



Original Color

42.9455, 0.3725, 0.2655



Protanomaly

41.7324, 0.2997, 0.2635



Deuteranomaly

42.0504, 0.3298, 0.2857



Tritanomaly

42.6855, 0.3974, 0.2975

Monochromacy



Original Color

42.9455, 0.3725, 0.2655



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.0050, 0.3337, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9455, 0.3725, 0.2655 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, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 198)  
}
```

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, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.9455, 0.3725, 0.2655 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, 136, 198) }
```

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

```
.border{ border-color:rgb(255, 136, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 136, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9455, 0.3725, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 198) }
```

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

```
.background{ background-color: rgb(255,  
136, 198) }
```

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