

Converting Colors

$Y_{xy}(48.7529, 0.3560, 0.2695)$

Have a look what the booklet for
Yxy(48.7529, 0.3560, 0.2695)
contains.

Yxy(48.7456, 0.3562, 0.2696)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.7456, 0.3562, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	FF99D3
RGB	255, 153, 211
RGB Percent	100%, 60%, 83%
CMY	0.0000, 0.4001, 0.1725
CMYK	0.00, 0.40, 0.17, 0.00
HSL	326°, 100%, 80%
HSV	326°, 40%, 100%
XYZ	64.4035, 48.7456, 67.6580
YIQ	190.1100, 42.1740, 39.6620

Conversions

Conversions Part 2

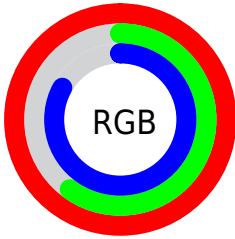
Format	Color
R _Y B	255, 153, 211
Decimal	16751059
CIE Lab	75.29, 45.66, -13.27
CIE LCh	75, 47.549, 343.800
Yxy	48.7456, 0.3562, 0.2696
Android (android.graphics.Color)	4294941139 (0xFFFF99D3)
YUV	190.1100, 10.2988, 56.9085
Hunter-Lab	69.8180, 42.4753, -8.5831

Details

The Yxy color **48.7456, 0.3562, 0.2696** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.3191, 0.2850, 0.3979**, and the grayscale version is **51.4732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.0597, 0.3674, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **40.7340, 0.3720, 0.2555**, and if you desaturate by 10%, it is **58.5658, 0.3424, 0.2847**.

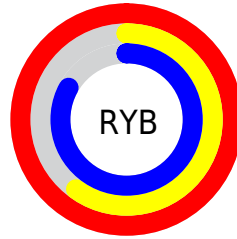
Distribution



Red (100%)

Green (60%)

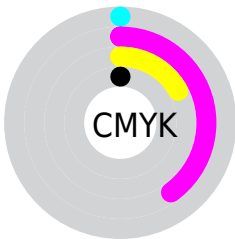
Blue (83%)



Red (100%)

Yellow (60%)

Blue (83%)

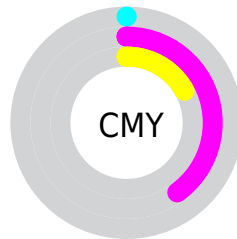


Cyan (0%)

Magenta (40%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7456, 0.3562, 0.2696 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 48.7456, 0.3562, 0.2696 by changing the saturation by 10% instead.


 48.7456, 0.3562,
0.2696


 48.7456, 0.3562,
0.2696


381.7399, 0.3354,
0.2976

 34.4177, 0.3611,
0.2631


 88.3135, 0.3488,
0.2794

 23.2147, 0.3673,
0.2550


 114.3223, 0.3460,
0.2832

 14.7521, 0.3753,
0.2447


144.9935, 0.3436,
0.2864

 8.6456, 0.3859,
0.2312

180.7116, 0.3415,
0.2892

 4.5107, 0.4009,
0.2126

221.8609, 0.3397,
0.2917

 1.9632, 0.4233,
0.1857

268.8258, 0.3381,

 0.5859, 0.4635,

0.2939

0.1376

321.9906, 0.3367,
0.2958

0.0000, 0.6324,
0.0000

0.0000, 0.0000,
0.0000

48.7456, 0.3562,
0.2696

48.7456, 0.3562,
0.2696

40.7340, 0.3720,
0.2555

58.5658, 0.3424,
0.2847

34.4342, 0.3899,
0.2433

70.3185, 0.3307,
0.2999

29.7113, 0.4094,
0.2344

84.0947, 0.3209,
0.3148

26.4179, 0.4300,
0.2299

99.9848, 0.3127,
0.3290

■ 24.3784, 0.4505,
0.2307

100.0000, 0.3127,
0.3290

■ 23.3070, 0.4704,
0.2365

Harmonies

Analogous

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



48.7456, 0.2895, 0.2394



48.7456, 0.3562, 0.2696



48.7456, 0.4149, 0.3129

Triad

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



48.7456, 0.3562, 0.2696



48.7456, 0.3861, 0.4435



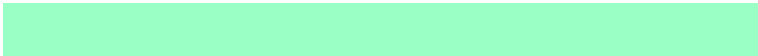
48.7456, 0.1982, 0.2742

Complementary

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



48.7456, 0.3562, 0.2696



82.3191, 0.2850, 0.3979

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.



48.7456, 0.2182, 0.3339



48.7456, 0.3562, 0.2696



48.7456, 0.3248, 0.4440

Square

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



48.7456, 0.3562, 0.2696



48.7456, 0.4304, 0.4099



48.7456, 0.2634, 0.4012



48.7456, 0.2044, 0.2384

Rectangle

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



48.7456, 0.3562, 0.2696



48.7456, 0.4377, 0.3456



48.7456, 0.2634, 0.4012



48.7456, 0.2019, 0.2918

Sweetspot

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



48.7394, 0.3562, 0.2696



81.1860, 0.3227, 0.3119



41.6621, 0.2689, 0.2152



16.9784, 0.3240, 0.3100



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.



48.7394, 0.3562, 0.2696



42.2014, 0.3687, 0.2582



46.6252, 0.4061, 0.3203



18.1603, 0.3205, 0.3156



12.2089, 0.4673, 0.2348



1.2107, 0.4459, 0.2230

Inverse Universe

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



48.7394, 0.3562, 0.2696



42.2014, 0.3687, 0.2582



84.9745, 0.2613, 0.3384



18.1603, 0.3205, 0.3156



12.2089, 0.4673, 0.2348



1.2107, 0.4459, 0.2230

Previews

White Background



This preview shows how the Yxy color 48.7456, 0.3562, 0.2696 looks on a white background.

Color Contrast Check

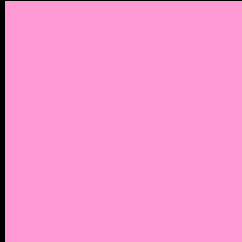
Large Text (above 18pt) WCAG AA × Fail

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 48.7456, 0.3562, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

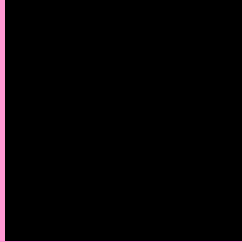
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7456, 0.3562, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 48.7456, 0.3562, 0.2696.

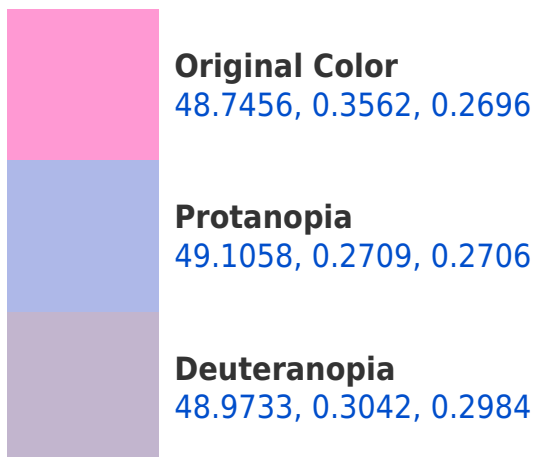


This preview shows how white text looks on a background with the Yxy color 48.7456, 0.3562, 0.2696.

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





Tritanopia

48.6294, 0.3891, 0.3164

Trichromacy



Original Color

48.7456, 0.3562, 0.2696



Protanomaly

47.9655, 0.2979, 0.2695



Deuteranomaly

48.2788, 0.3217, 0.2862



Tritanomaly

48.3546, 0.3770, 0.2985

Monochromacy



Original Color

48.7456, 0.3562, 0.2696



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.8176, 0.3278, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7456, 0.3562, 0.2696 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, 153, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 211)  
}
```

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, 153, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 211) }
```

Border

The CSS property to change the border of an element to Yxy 48.7456, 0.3562, 0.2696 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, 153, 211) }
```

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

```
.border{ border-color:rgb(255, 153, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7456, 0.3562, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 211) }
```

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

```
.background{ background-color: rgb(255,  
153, 211) }
```

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