

Converting Colors

$Y_{xy}(48.3200, 0.3678, 0.2850)$

Have a look what the booklet for
Yxy(48.3200, 0.3678, 0.2850)
contains.

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Color

Yxy(48.3566, 0.3675, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	FD9BC5
RGB	253, 155, 197
RGB Percent	99%, 61%, 77%
CMY	0.0078, 0.3922, 0.2274
CMYK	0.00, 0.39, 0.22, 0.01
HSL	334°, 96%, 80%
HSV	334°, 39%, 99%
XYZ	62.3108, 48.3566, 58.8859
YIQ	189.0900, 44.9260, 33.8380

Conversions

Conversions Part 2

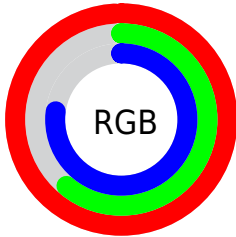
Format	Color
R _Y B	253, 155, 197
Decimal	16620485
CIE Lab	75.05, 41.90, -5.97
CIE LCh	75, 42.324, 351.897
Yxy	48.3566, 0.3675, 0.2852
Android (android.graphics.Color)	4294810565 (0xFFFD9BC5)
YUV	189.0900, 3.8996, 56.0491
Hunter-Lab	69.5389, 38.2531, -1.5298

Details

The Yxy color **48.3566, 0.3675, 0.2852** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.9252, 0.2789, 0.3783**, and the grayscale version is **50.9029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0043, 0.3154, 0.2870**, and **23.0880, 0.3833, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **40.1703, 0.3889, 0.2743**, and if you desaturate by 10%, it is **58.3750, 0.3494, 0.2968**.

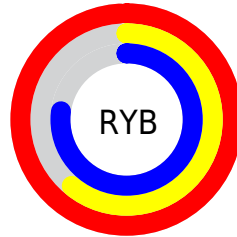
Distribution



Red (99%)

Green (61%)

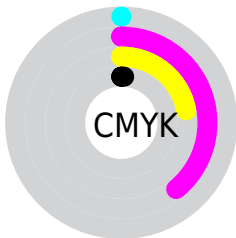
Blue (77%)



Red (99%)

Yellow (61%)

Blue (77%)

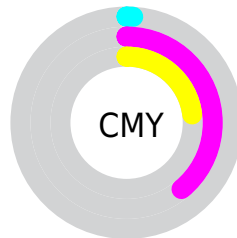


Cyan (0%)

Magenta (39%)

Yellow (22%)

Black (1%)



Cyan (1%)


Magenta (39%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3566, 0.3675, 0.2852 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 48.3566, 0.3675, 0.2852 by changing the saturation by 10% instead.

 48.3566, 0.3675,
0.2852

 48.3566, 0.3675,
0.2852


380.2039, 0.3406,
0.3063

 34.1094, 0.3740,
0.2802


 87.7351, 0.3579,
0.2927

 22.9776, 0.3824,
0.2738


 113.6352, 0.3542,
0.2956

 14.5770, 0.3932,
0.2656


144.1883, 0.3511,
0.2980

 8.5231, 0.4081,
0.2545

179.7789, 0.3484,
0.3001

 4.4314, 0.4296,
0.2389

220.7914, 0.3461,
0.3020

 1.9177, 0.4631,
0.2152

267.6101, 0.3440,

 0.5590, 0.5280,

0.3036

0.1664

320.6195, 0.3422,
0.3050

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3566, 0.3675,
0.2852

■ 48.3566, 0.3675,
0.2852

■ 40.1703, 0.3889,
0.2743

■ 58.3750, 0.3494,
0.2968

■ 33.6965, 0.4136,
0.2651

■ 70.3219, 0.3343,
0.3085

■ 28.8119, 0.4412,
0.2588

■ 84.2948, 0.3218,
0.3197

■ 25.3737, 0.4705,
0.2568

99.6129, 0.3116,
0.3292

■ 23.2126, 0.4998,
0.2600

99.6237, 0.3115,
0.3290

■ 22.0857, 0.5272,
0.2684

■ 21.9767, 0.5306,
0.2696

Harmonies

Analogous

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



48.3566, 0.3079, 0.2537



48.3566, 0.3675, 0.2852



48.3566, 0.4138, 0.3271

Triad

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



48.3566, 0.3675, 0.2852



48.3566, 0.3655, 0.4349



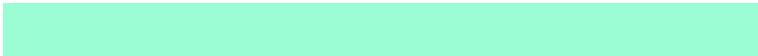
48.3566, 0.2082, 0.2694

Complementary

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



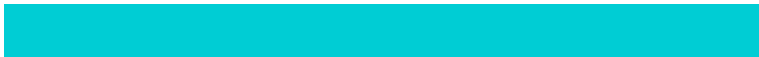
48.3566, 0.3675, 0.2852



81.9252, 0.2789, 0.3783

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.



48.3566, 0.2203, 0.3181



48.3566, 0.3675, 0.2852



48.3566, 0.3088, 0.4239

Square

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



48.3566, 0.3675, 0.2852



48.3566, 0.4104, 0.4126



48.3566, 0.2559, 0.3778



48.3566, 0.2202, 0.2426

Rectangle

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



48.3566, 0.3675, 0.2852



48.3566, 0.4282, 0.3573



48.3566, 0.2559, 0.3778



48.3566, 0.2096, 0.2834

Sweetspot

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



48.3589, 0.3675, 0.2852



80.9315, 0.3256, 0.3161



44.3157, 0.2823, 0.2227



16.9185, 0.3272, 0.3146



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.



48.3589, 0.3675, 0.2852



42.9816, 0.3828, 0.2771



48.9272, 0.4073, 0.3362



18.1164, 0.3227, 0.3188



11.7180, 0.5265, 0.2674



1.1623, 0.4975, 0.2514

Inverse Universe

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



48.3589, 0.3675, 0.2852



42.9816, 0.3828, 0.2771



80.2600, 0.2578, 0.3215



18.1164, 0.3227, 0.3188



11.7180, 0.5265, 0.2674



1.1623, 0.4975, 0.2514

Previews

White Background



This preview shows how the Yxy color 48.3566, 0.3675, 0.2852 looks on a white background.

Color Contrast Check

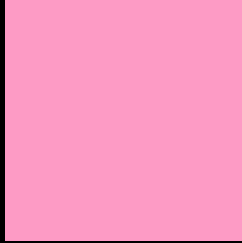
Large Text (above 18pt) WCAG AA × Fail

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 48.3566, 0.3675, 0.2852 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 48.3566, 0.3675, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 48.3566, 0.3675, 0.2852.



This preview shows how white text looks on a background with the Yxy color 48.3566, 0.3675, 0.2852.

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

48.3566, 0.3675, 0.2852

Protanopia

48.7710, 0.2858, 0.2904

Deuteranopia

48.7721, 0.3195, 0.3131



Tritanopia

48.4442, 0.3882, 0.3164

Trichromacy



Original Color

48.3566, 0.3675, 0.2852



Protanomaly

47.5630, 0.3129, 0.2874



Deuteranomaly

48.0809, 0.3364, 0.3022



Tritanomaly

48.2991, 0.3807, 0.3047

Monochromacy



Original Color

48.3566, 0.3675, 0.2852



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.2471, 0.3310, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3566, 0.3675, 0.2852 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(253, 155, 197)` looks like.

```
.text, #text, p{  
    color:rgb(253, 155, 197)  
}
```

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(253, 155, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 155, 197) }
```

Border

The CSS property to change the border of an element to Yxy 48.3566, 0.3675, 0.2852 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(253, 155, 197) }
```

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

```
.border{ border-color:rgb(253, 155, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 155, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 155, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 155, 197);  
box-shadow:4px 4px 4px 4px rgb(253, 155,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3566, 0.3675, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 155, 197) }
```

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

```
.background{ background-color: rgb(253,  
155, 197) }
```

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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