

Converting Colors

$Yxy(48.3133, 0.3647, 0.2783)$

Have a look what the booklet for
Yxy(48.3133, 0.3647, 0.2783)
contains.

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Color

Yxy(48.3067, 0.3649, 0.2785)

Conversions

Conversions Part 1

Format	Color
Hex	FF99CA
RGB	255, 153, 202
RGB Percent	100%, 60%, 79%
CMY	0.0000, 0.4000, 0.2079
CMYK	0.00, 0.40, 0.21, 0.00
HSL	331°, 100%, 80%
HSV	331°, 40%, 100%
XYZ	63.2931, 48.3067, 61.8534
YIQ	189.0840, 45.0630, 36.8630

Conversions

Conversions Part 2

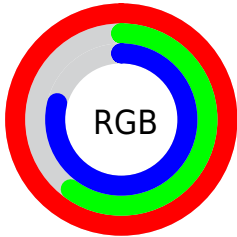
Format	Color
R_{YB}	255, 153, 202
Decimal	16751050
CIE _{Lab}	75.02, 44.31, -8.71
CIE _{LCh}	75, 45.155, 348.876
Yxy	48.3067, 0.3649, 0.2785
Android (android.graphics.Color)	4294941130 (0xFFFF99CA)
YUV	189.0840, 6.3676, 57.8083
Hunter-Lab	69.5030, 40.9211, -4.1123

Details

The Yxy color $48.3067, 0.3649, 0.2785$ is a light color, and the websafe version is hex $FF99CC$. A complement of this color would be $82.7498, 0.2806, 0.3867$, and the grayscale version is $50.8819, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $22.9882, 0.3781, 0.2661$ is the 20% darker color. If you saturate the color by 10%, you get $40.2312, 0.3845, 0.2665$, and if you desaturate by 10%, it is $58.2197, 0.3481, 0.2914$.

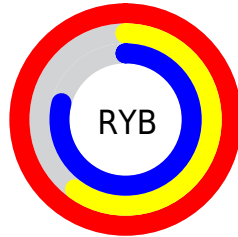
Distribution



Red (100%)

Green (60%)

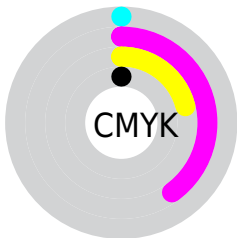
Blue (79%)



Red (100%)

Yellow (60%)

Blue (79%)

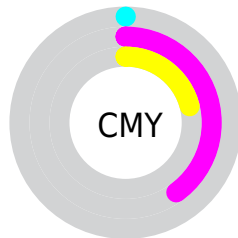


Cyan (0%)

Magenta (40%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3067, 0.3649, 0.2785 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 48.3067, 0.3649, 0.2785 by changing the saturation by 10% instead.

 48.3067, 0.3649,
0.2785

 48.3067, 0.3649,
0.2785


380.0065, 0.3395,
0.3026

 34.0698, 0.3710,
0.2728

 87.6609, 0.3558,
0.2870

 22.9473, 0.3788,
0.2657


 113.5470, 0.3524,
0.2903

 14.5546, 0.3889,
0.2565


144.0849, 0.3494,
0.2931

 8.5074, 0.4027,
0.2443

179.6592, 0.3469,
0.2955

 4.4213, 0.4223,
0.2272

220.6540, 0.3447,
0.2976

 1.9119, 0.4527,
0.2018

267.4540, 0.3427,

 0.5555, 0.5103,

0.2995

0.1518

320.4433, 0.3410,
0.3012

■ 0.0000, 0.9849,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3067, 0.3649,
0.2785

■ 48.3067, 0.3649,
0.2785

■ 40.2312, 0.3845,
0.2665

■ 58.2197, 0.3481,
0.2914

■ 33.8770, 0.4069,
0.2563

■ 70.0759, 0.3341,
0.3044

■ 29.1148, 0.4316,
0.2494

■ 83.9729, 0.3224,
0.3170

■ 25.7966, 0.4578,
0.2468

100.0000, 0.3127,
0.3290

■ 23.7462, 0.4839,
0.2497

■ 22.6764, 0.5087,
0.2576

■ 22.6763, 0.5087,
0.2576

Harmonies

Analogous

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



48.3067, 0.3011, 0.2468



48.3067, 0.3649, 0.2785



48.3067, 0.4170, 0.3217

Triad

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



48.3067, 0.3649, 0.2785



48.3067, 0.3740, 0.4410



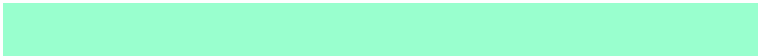
48.3067, 0.2022, 0.2694

Complementary

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



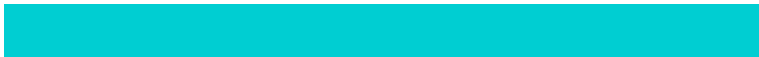
48.3067, 0.3649, 0.2785



82.7498, 0.2806, 0.3867

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.



48.3067, 0.2173, 0.3231



48.3067, 0.3649, 0.2785



48.3067, 0.3142, 0.4340

Square

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



48.3067, 0.3649, 0.2785



48.3067, 0.4199, 0.4136



48.3067, 0.2571, 0.3875



48.3067, 0.2123, 0.2390

Rectangle

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



48.3067, 0.3649, 0.2785



48.3067, 0.4347, 0.3535



48.3067, 0.2571, 0.3875



48.3067, 0.2044, 0.2850

Sweetspot

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



48.3068, 0.3649, 0.2785



81.0241, 0.3245, 0.3145



43.0825, 0.2769, 0.2177



16.9403, 0.3260, 0.3129



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.



48.3068, 0.3649, 0.2785



41.7039, 0.3803, 0.2688



46.9039, 0.4141, 0.3311



18.1324, 0.3218, 0.3176



11.8787, 0.5049, 0.2555



1.1785, 0.4783, 0.2409

Inverse Universe

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



48.3068, 0.3649, 0.2785



41.7039, 0.3803, 0.2688



84.4327, 0.2571, 0.3269



18.1324, 0.3218, 0.3176



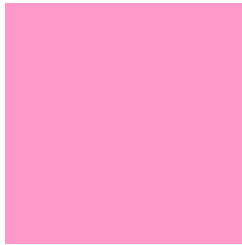
11.8787, 0.5049, 0.2555



1.1785, 0.4783, 0.2409

Previews

White Background



This preview shows how the Yxy color 48.3067, 0.3649, 0.2785 looks on a white background.

Color Contrast Check

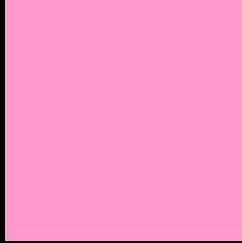
Large Text (above 18pt) WCAG AA × Fail

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 48.3067, 0.3649, 0.2785 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 48.3067, 0.3649, 0.2785

Background



This preview shows how black text looks on a background with the Yxy color 48.3067, 0.3649, 0.2785.



This preview shows how white text looks on a background with the Yxy color 48.3067, 0.3649, 0.2785.

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

48.3067, 0.3649, 0.2785

Protanopia

48.4880, 0.2794, 0.2808

Deuteranopia

48.5441, 0.3137, 0.3081



Tritanopia

48.4320, 0.3913, 0.3165

Trichromacy



Original Color

48.3067, 0.3649, 0.2785



Protanomaly

47.3905, 0.3065, 0.2783



Deuteranomaly

47.7784, 0.3312, 0.2953



Tritanomaly

48.3740, 0.3819, 0.3028

Monochromacy



Original Color

48.3067, 0.3649, 0.2785



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.0918, 0.3304, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3067, 0.3649, 0.2785 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.3067, 0.3649, 0.2785 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, 202) }
```

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

```
.border{ border-color:rgb(255, 153, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3067, 0.3649, 0.2785 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, 202) }
```

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

```
.background{ background-color: rgb(255,  
153, 202) }
```

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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