

Converting Colors

$Y_{xy}(48.2304, 0.3665, 0.2801)$

Have a look what the booklet for
Yxy(48.2304, 0.3665, 0.2801)
contains.

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Color

Yxy(48.2126, 0.3668, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	FF99C8
RGB	255, 153, 200
RGB Percent	100%, 60%, 78%
CMY	0.0001, 0.3999, 0.2157
CMYK	0.00, 0.40, 0.22, 0.00
HSL	332°, 100%, 80%
HSV	332°, 40%, 100%
XYZ	63.0459, 48.2126, 60.6224
YIQ	188.8560, 45.7050, 36.2410

Conversions

Conversions Part 2

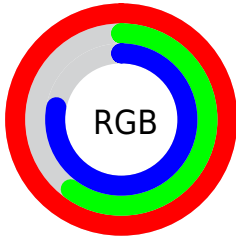
Format	Color
R _Y B	255, 153, 200
Decimal	16751048
CIE Lab	74.96, 43.99, -7.71
CIE LCh	75, 44.663, 350.062
Yxy	48.2126, 0.3668, 0.2805
Android (android.graphics.Color)	4294941128 (0xFFFF99C8)
YUV	188.8560, 5.4940, 58.0083
Hunter-Lab	69.4353, 40.5628, -3.1601

Details

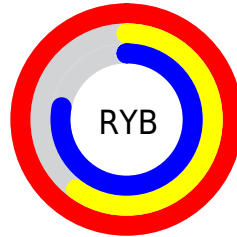
The Yxy color **48.2126, 0.3668, 0.2805** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.8261, 0.2796, 0.3842**, and the grayscale version is **50.7532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **22.9254, 0.3809, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **40.1254, 0.3873, 0.2690**, and if you desaturate by 10%, it is **58.1453, 0.3494, 0.2929**.

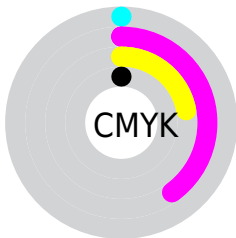
Distribution



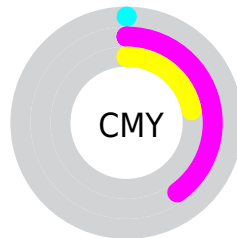
- Red (100%)
- Green (60%)
- Blue (78%)



- Red (100%)
- Yellow (60%)
- Blue (78%)



- Cyan (0%)
- Magenta (40%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2126, 0.3668, 0.2805 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 48.2126, 0.3668, 0.2805 by changing the saturation by 10% instead.

 48.2126, 0.3668,
0.2805


 48.2126, 0.3668,
0.2805


379.6342, 0.3404,
0.3038

 33.9953, 0.3732,
0.2750


 87.5209, 0.3573,
0.2887

 22.8900, 0.3813,
0.2681


 113.3806, 0.3537,
0.2919

 14.5123, 0.3919,
0.2592


143.8899, 0.3507,
0.2946

 8.4778, 0.4063,
0.2472

179.4332, 0.3481,
0.2969

 4.4022, 0.4271,
0.2305

220.3949, 0.3458,
0.2990

 1.9010, 0.4592,
0.2055

267.1594, 0.3437,

 0.5490, 0.5208,

0.3007

0.1551

320.1110, 0.3420,
0.3023

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.2126, 0.3668,
0.2805

48.2126, 0.3668,
0.2805

40.1254, 0.3873,
0.2690

58.1453, 0.3494,
0.2929

33.7606, 0.4107,
0.2593

70.0224, 0.3348,
0.3054

28.9911, 0.4366,
0.2527

83.9442, 0.3227,
0.3175

25.6688, 0.4640,
0.2506

99.9926, 0.3127,
0.3290

■ 23.6175, 0.4912, 99.9932, 0.3127,
0.2539 0.3290

■ 22.5504, 0.5170,
0.2622

■ 22.5486, 0.5171,
0.2622

Harmonies

Analogous

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



48.2126, 0.3037, 0.2485



48.2126, 0.3668, 0.2805



48.2126, 0.4174, 0.3237

Triad

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



48.2126, 0.3668, 0.2805



48.2126, 0.3713, 0.4403



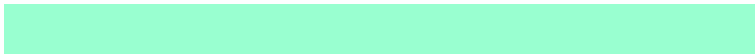
48.2126, 0.2031, 0.2684

Complementary

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



48.2126, 0.3668, 0.2805



82.8261, 0.2796, 0.3842

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.



48.2126, 0.2171, 0.3208



48.2126, 0.3668, 0.2805



48.2126, 0.3119, 0.4316

Square

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



48.2126, 0.3668, 0.2805



48.2126, 0.4176, 0.4144



48.2126, 0.2557, 0.3844



48.2126, 0.2141, 0.2391

Rectangle

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



48.2126, 0.3668, 0.2805



48.2126, 0.4340, 0.3553



48.2126, 0.2557, 0.3844



48.2126, 0.2050, 0.2835

Sweetspot

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



48.2149, 0.3668, 0.2805



80.9890, 0.3249, 0.3151



43.3318, 0.2783, 0.2181



16.9320, 0.3264, 0.3136



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.



48.2149, 0.3668, 0.2805



41.5996, 0.3830, 0.2711



47.4744, 0.4133, 0.3329



18.1263, 0.3222, 0.3181



11.8153, 0.5131, 0.2600



1.1722, 0.4856, 0.2449

Inverse Universe

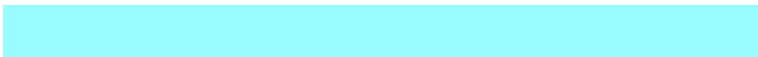
The Inverse Universe completely reimagines the original color for something new.



48.2149, 0.3668, 0.2805



41.5996, 0.3830, 0.2711



83.3414, 0.2569, 0.3251



18.1263, 0.3222, 0.3181



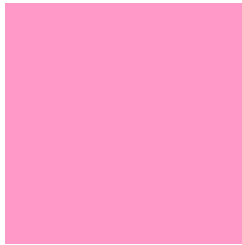
11.8153, 0.5131, 0.2600



1.1722, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 48.2126, 0.3668, 0.2805 looks on a white background.

Color Contrast Check

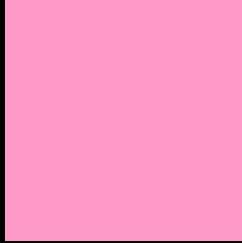
Large Text (above 18pt) WCAG AA × Fail

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 48.2126, 0.3668, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

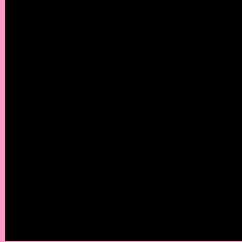
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2126, 0.3668, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 48.2126, 0.3668, 0.2805.

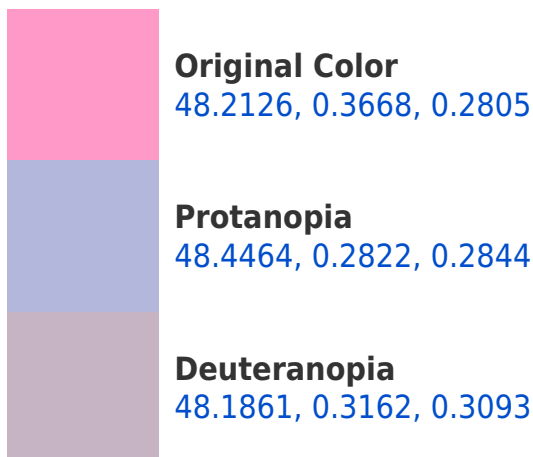


This preview shows how white text looks on a background with the Yxy color 48.2126, 0.3668, 0.2805.

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

48.0514, 0.3927, 0.3165

Trichromacy



Original Color

48.2126, 0.3668, 0.2805



Protanomaly

47.3803, 0.3098, 0.2818



Deuteranomaly

47.8407, 0.3339, 0.2976



Tritanomaly

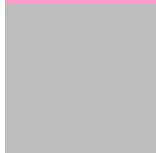
47.9958, 0.3832, 0.3028

Monochromacy



Original Color

48.2126, 0.3668, 0.2805



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.0471, 0.3312, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2126, 0.3668, 0.2805 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.2126, 0.3668, 0.2805 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, 200) }
```

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

```
.border{ border-color:rgb(255, 153, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2126, 0.3668, 0.2805 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
153, 200) }
```

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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