

Converting Colors

$Y_{xy}(48.6633, 0.3463, 0.2635)$

Have a look what the booklet for
Yxy(48.6633, 0.3463, 0.2635)
contains.

Yxy(48.6824, 0.3459, 0.2631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6824, 0.3459, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	FB9ADA
RGB	251, 154, 218
RGB Percent	98%, 60%, 85%
CMY	0.0155, 0.3961, 0.1451
CMYK	0.00, 0.39, 0.13, 0.02
HSL	320°, 92%, 79%
HSV	320°, 39%, 98%
XYZ	64.0032, 48.6824, 72.3482
YIQ	190.2990, 37.2680, 40.4680

Conversions

Conversions Part 2

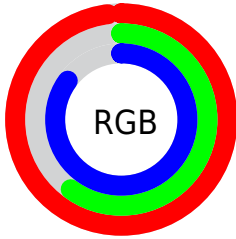
Format	Color
R _Y B	251, 154, 218
Decimal	16489178
CIE Lab	75.25, 44.92, -17.19
CIE LCh	75, 48.096, 339.059
Yxy	48.6824, 0.3459, 0.2631
Android (android.graphics.Color)	4294679258 (0xFFFB9ADA)
YUV	190.2990, 13.6566, 53.2348
Hunter-Lab	69.7728, 41.6373, -12.6376

Details

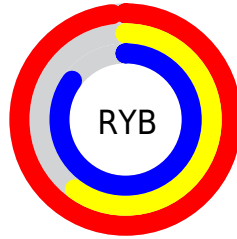
The Yxy color **48.6824, 0.3459, 0.2631** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.4756, 0.2903, 0.4062**, and the grayscale version is **51.5783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **23.2892, 0.3540, 0.2479** is the 20% darker color. If you saturate the color by 10%, you get **40.8115, 0.3579, 0.2468**, and if you desaturate by 10%, it is **58.3134, 0.3353, 0.2804**.

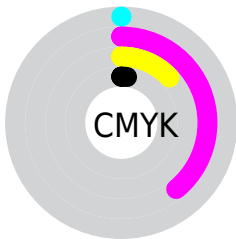
Distribution



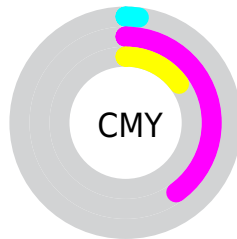
- Red (98%)
- Green (60%)
- Blue (85%)



- Red (98%)
- Yellow (60%)
- Blue (85%)



- Cyan (0%)
- Magenta (39%)
- Yellow (13%)
- Black (2%)





- Cyan (2%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6824, 0.3459, 0.2631 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 48.6824, 0.3459, 0.2631 by changing the saturation by 10% instead.


 48.6824, 0.3459,
0.2631


 48.6824, 0.3459,
0.2631

381.4907, 0.3303,
0.2939

 34.3676, 0.3495,
0.2560

 88.2196, 0.3405,
0.2738

 23.1761, 0.3539,
0.2473


 114.2107, 0.3384,
0.2780

 14.7236, 0.3596,
0.2362

144.8628, 0.3366,
0.2816

 8.6257, 0.3670,
0.2216

180.5602, 0.3350,
0.2847

 4.4978, 0.3772,
0.2019

221.6873, 0.3336,
0.2874

 1.9558, 0.3918,
0.1738

268.6284, 0.3324,

 0.5816, 0.4170,

0.2898

0.1253

321.7681, 0.3313,
0.2920

0.0000, 0.4867,
0.0000

0.0000, 0.0000,
0.0000

48.6824, 0.3459,
0.2631

48.6824, 0.3459,
0.2631

40.8115, 0.3579,
0.2468

58.3134, 0.3353,
0.2804

34.5848, 0.3713,
0.2324

69.7976, 0.3262,
0.2978

29.8829, 0.3858,
0.2212

83.2294, 0.3184,
0.3149

26.5674, 0.4009,
0.2142

98.6949, 0.3119,
0.3311

■ 24.4744, 0.4160,
0.2122

■ 99.2562, 0.3103,
0.3290

■ 23.3686, 0.4307,
0.2152

■ 23.2534, 0.4327,
0.2157

Harmonies

Analogous

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



48.6824, 0.2794, 0.2353



48.6824, 0.3459, 0.2631



48.6824, 0.4083, 0.3051

Triad

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



48.6824, 0.3459, 0.2631



48.6824, 0.3955, 0.4411



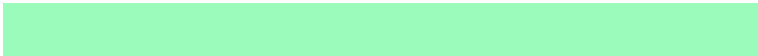
48.6824, 0.1984, 0.2816

Complementary

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



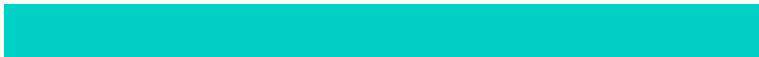
48.6824, 0.3459, 0.2631



79.4756, 0.2903, 0.4062

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.



48.6824, 0.2228, 0.3449



48.6824, 0.3459, 0.2631



48.6824, 0.3351, 0.4484

Square

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



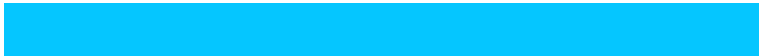
48.6824, 0.3459, 0.2631



48.6824, 0.4361, 0.4036



48.6824, 0.2718, 0.4115



48.6824, 0.2006, 0.2413

Rectangle

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



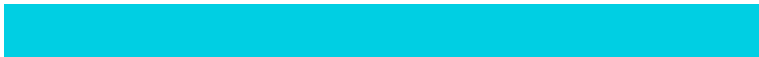
48.6824, 0.3459, 0.2631



48.6824, 0.4353, 0.3377



48.6824, 0.2718, 0.4115



48.6824, 0.2035, 0.3006

Sweetspot

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



48.6847, 0.3459, 0.2631



81.3536, 0.3209, 0.3092



40.5556, 0.2645, 0.2176



17.0179, 0.3219, 0.3070



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.



48.6847, 0.3459, 0.2631



44.2605, 0.3546, 0.2509



46.5314, 0.3930, 0.3120



17.4182, 0.3190, 0.3135



12.2472, 0.4303, 0.2144



1.1541, 0.4139, 0.2054

Inverse Universe

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



48.6847, 0.3459, 0.2631



44.2605, 0.3546, 0.2509



81.8767, 0.2665, 0.3474



17.4182, 0.3190, 0.3135



12.2472, 0.4303, 0.2144



1.1541, 0.4139, 0.2054

Previews

White Background



This preview shows how the Yxy color 48.6824, 0.3459, 0.2631 looks on a white background.

Color Contrast Check

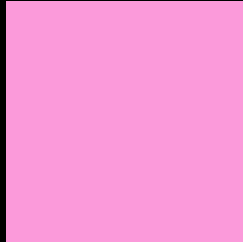
Large Text (above 18pt) WCAG AA × Fail

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 48.6824, 0.3459, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

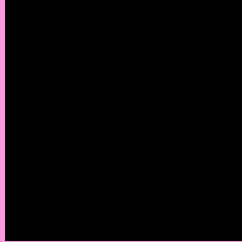
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6824, 0.3459, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 48.6824, 0.3459, 0.2631.

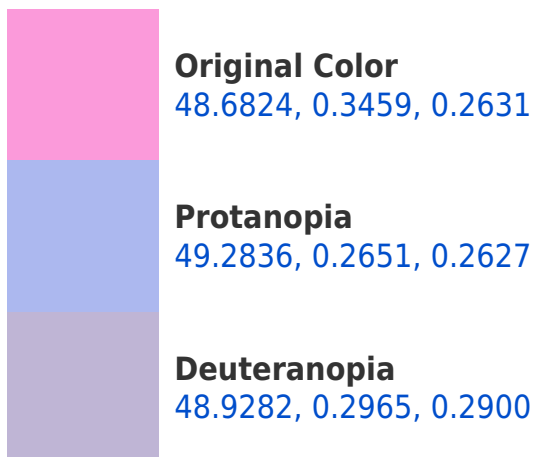


This preview shows how white text looks on a background with the Yxy color 48.6824, 0.3459, 0.2631.

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

48.5286, 0.3809, 0.3151

Trichromacy



Original Color

48.6824, 0.3459, 0.2631



Protanomaly

48.0742, 0.2912, 0.2619



Deuteranomaly

48.1783, 0.3134, 0.2782



Tritanomaly

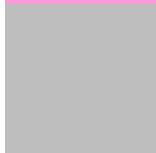
48.5143, 0.3679, 0.2949

Monochromacy



Original Color

48.6824, 0.3459, 0.2631



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.6115, 0.3244, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6824, 0.3459, 0.2631 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(251, 154, 218)` looks like.

```
.text, #text, p{  
    color:rgb(251, 154, 218)  
}
```

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(251, 154, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 154, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.6824, 0.3459, 0.2631 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(251, 154, 218) }
```

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

```
.border{ border-color:rgb(251, 154, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 154, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 154, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 154, 218);  
box-shadow:4px 4px 4px 4px rgb(251, 154,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6824, 0.3459, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 154, 218) }
```

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

```
.background{ background-color: rgb(251,  
154, 218) }
```

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