

Converting Colors

$Y_{xy}(48.9150, 0.3528, 0.2661)$

Have a look what the booklet for
Yxy(48.9150, 0.3528, 0.2661)
contains.

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Color

Yxy(48.9488, 0.3524, 0.2658)

Conversions

Conversions Part 1

Format	Color
Hex	FF99D7
RGB	255, 153, 215
RGB Percent	100%, 60%, 84%
CMY	0.0000, 0.4000, 0.1569
CMYK	0.00, 0.40, 0.16, 0.00
HSL	324°, 100%, 80%
HSV	324°, 40%, 100%
XYZ	64.8968, 48.9488, 70.3110
YIQ	190.5660, 40.8900, 40.9060

Conversions

Conversions Part 2

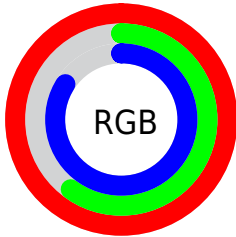
Format	Color
R _Y B	255, 153, 215
Decimal	16751063
CIE Lab	75.42, 46.23, -15.25
CIE LCh	75, 48.683, 341.746
Yxy	48.9488, 0.3524, 0.2658
Android (android.graphics.Color)	4294941143 (0xFFFF99D7)
YUV	190.5660, 12.0460, 56.5086
Hunter-Lab	69.9634, 43.1373, -10.6101

Details

The Yxy color **48.9488, 0.3524, 0.2658** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.1439, 0.2870, 0.4029**, and the grayscale version is **51.7482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.3321, 0.3632, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **40.9771, 0.3667, 0.2508**, and if you desaturate by 10%, it is **58.7386, 0.3399, 0.2818**.

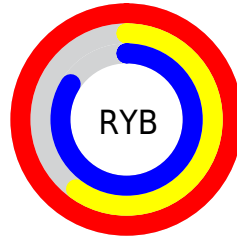
Distribution



Red (100%)

Green (60%)

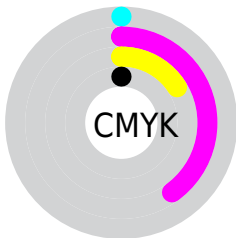
Blue (84%)



Red (100%)

Yellow (60%)

Blue (84%)

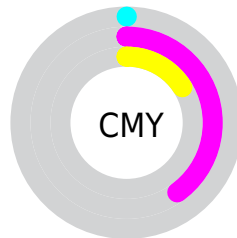


Cyan (0%)

Magenta (40%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9488, 0.3524, 0.2658 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 48.9488, 0.3524, 0.2658 by changing the saturation by 10% instead.


 48.9488, 0.3524,
0.2658


 48.9488, 0.3524,
0.2658


382.5407, 0.3336,
0.2954

 34.5789, 0.3568,
0.2590


 88.6154, 0.3458,
0.2761

 23.3387, 0.3623,
0.2505


 114.6809, 0.3432,
0.2801

 14.8438, 0.3694,
0.2398


145.4136, 0.3410,
0.2836

 8.7098, 0.3787,
0.2257

181.1981, 0.3392,
0.2866

 4.5524, 0.3917,
0.2065

222.4186, 0.3375,
0.2892

 1.9871, 0.4107,
0.1790

269.4596, 0.3360,

 0.6000, 0.4439,

0.2915

322.7055, 0.3347,
0.2936

0.1317

0.0000, 0.5571,
0.0000

0.0000, 0.0000,
0.0000

48.9488, 0.3524,
0.2658

48.9488, 0.3524,
0.2658

40.9771, 0.3667,
0.2508

58.7386, 0.3399,
0.2818

34.7035, 0.3827,
0.2378

70.4467, 0.3293,
0.2980

30.0010, 0.4000,
0.2281

84.1718, 0.3203,
0.3139

26.7226, 0.4182,
0.2228

100.0000, 0.3127,
0.3290

■ 24.6929, 0.4364,
0.2227

■ 23.6258, 0.4540,
0.2275

■ 23.6256, 0.4540,
0.2275

Harmonies

Analogous

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



48.9488, 0.2846, 0.2362



48.9488, 0.3524, 0.2658



48.9488, 0.4139, 0.3091

Triad

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



48.9488, 0.3524, 0.2658



48.9488, 0.3913, 0.4444



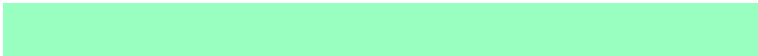
48.9488, 0.1965, 0.2763

Complementary

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



48.9488, 0.3524, 0.2658



82.1439, 0.2870, 0.4029

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.



48.9488, 0.2186, 0.3386



48.9488, 0.3524, 0.2658



48.9488, 0.3293, 0.4482

Square

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



48.9488, 0.3524, 0.2658



48.9488, 0.4349, 0.4083



48.9488, 0.2661, 0.4072



48.9488, 0.2010, 0.2381

Rectangle

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



48.9488, 0.3524, 0.2658



48.9488, 0.4389, 0.3422



48.9488, 0.2661, 0.4072



48.9488, 0.2009, 0.2948

Sweetspot

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



48.9504, 0.3524, 0.2658



81.2574, 0.3219, 0.3108



41.2246, 0.2663, 0.2144



16.9952, 0.3231, 0.3087



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.



48.9504, 0.3524, 0.2658



42.4301, 0.3637, 0.2537



46.7577, 0.4025, 0.3167



18.1726, 0.3199, 0.3147



12.3751, 0.4513, 0.2260



1.2264, 0.4323, 0.2155

Inverse Universe

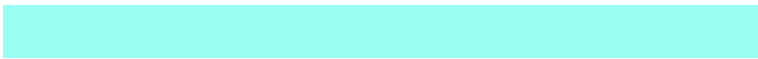
The Inverse Universe completely reimagines the original color for something new.



48.9504, 0.3524, 0.2658



42.4301, 0.3637, 0.2537



84.7701, 0.2628, 0.3423



18.1726, 0.3199, 0.3147



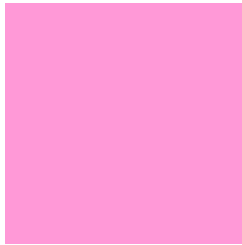
12.3751, 0.4513, 0.2260



1.2264, 0.4323, 0.2155

Previews

White Background



This preview shows how the Yxy color 48.9488, 0.3524, 0.2658 looks on a white background.

Color Contrast Check

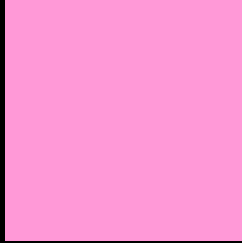
Large Text (above 18pt) WCAG AA × Fail

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 48.9488, 0.3524, 0.2658 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 48.9488, 0.3524, 0.2658

Background



This preview shows how black text looks on a background with the Yxy color 48.9488, 0.3524, 0.2658.



This preview shows how white text looks on a background with the Yxy color 48.9488, 0.3524, 0.2658.

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

48.9488, 0.3524, 0.2658

Protanopia

49.2213, 0.2677, 0.2661

Deuteranopia

49.0383, 0.3003, 0.2937



Tritanopia

48.8309, 0.3868, 0.3164

Trichromacy



Original Color

48.9488, 0.3524, 0.2658



Protanomaly

48.1851, 0.2950, 0.2653



Deuteranomaly

48.4782, 0.3184, 0.2818



Tritanomaly

48.7800, 0.3747, 0.2975

Monochromacy



Original Color

48.9488, 0.3524, 0.2658



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.9106, 0.3261, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9488, 0.3524, 0.2658 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 215) }
```

Border

The CSS property to change the border of an element to Yxy 48.9488, 0.3524, 0.2658 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, 215) }
```

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

```
.border{ border-color:rgb(255, 153, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9488, 0.3524, 0.2658 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
153, 215) }
```

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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