

Converting Colors

$Y_{xy}(56.5080, 0.3739, 0.2583)$

Have a look what the booklet for
Yxy(56.5080, 0.3739, 0.2583)
contains.

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Color

Yxy(48.4120, 0.3399, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	FF95E5
RGB	255, 149, 229
RGB Percent	100%, 58%, 90%
CMY	0.0002, 0.4155, 0.1020
CMYK	0.00, 0.42, 0.10, 0.00
HSL	315°, 100%, 79%
HSV	315°, 42%, 100%
XYZ	66.1118, 48.4120, 79.9800
YIQ	189.8140, 37.4960, 47.3520

Conversions

Conversions Part 2

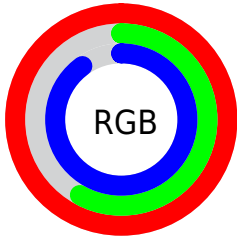
Format	Color
R _Y B	255, 149, 229
Decimal	16750053
CIE Lab	75.08, 50.41, -23.41
CIE LCh	75, 55.582, 335.086
Yxy	48.4120, 0.3399, 0.2489
Android (android.graphics.Color)	4294940133 (0xFFFF95E5)
YUV	189.8140, 19.3187, 57.1681
Hunter-Lab	69.5787, 47.8431, -19.4481

Details

The Yxy color **48.4120, 0.3399, 0.2489** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.9696, 0.2940, 0.4260**, and the grayscale version is **51.2542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **22.9373, 0.3458, 0.2306** is the 20% darker color. If you saturate the color by 10%, you get **40.8654, 0.3487, 0.2312**, and if you desaturate by 10%, it is **57.7412, 0.3319, 0.2681**.

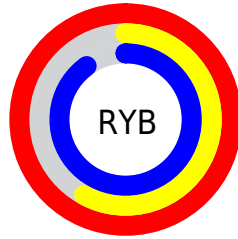
Distribution



Red (100%)

Green (58%)

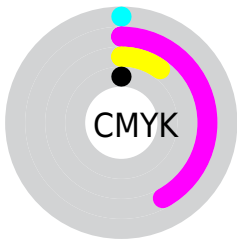
Blue (90%)



Red (100%)

Yellow (58%)

Blue (90%)

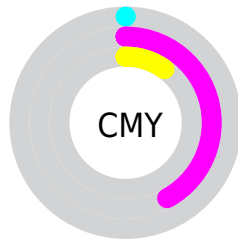


Cyan (0%)

Magenta (42%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4120, 0.3399, 0.2489 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 48.4120, 0.3399, 0.2489 by changing the saturation by 10% instead.


 48.4120, 0.3399,
0.2489


 48.4120, 0.3399,
0.2489


380.4229, 0.3277,
0.2858

 34.1533, 0.3426,
0.2406


 87.8175, 0.3358,
0.2616

 23.0114, 0.3458,
0.2304


 113.7331, 0.3341,
0.2666

 14.6019, 0.3498,
0.2176


144.3031, 0.3327,
0.2709

 8.5405, 0.3548,
0.2011

179.9119, 0.3315,
0.2746

 4.4427, 0.3611,
0.1792

220.9438, 0.3304,
0.2779

 1.9241, 0.3694,
0.1491

267.7834, 0.3294,

 0.5628, 0.3821,

0.2808

0.1003

320.8149, 0.3285,
0.2834

0.0000, 0.4053,
0.0000

0.0000, 0.0000,
0.0000

48.4120, 0.3399,
0.2489

48.4120, 0.3399,
0.2489

40.8654, 0.3487,
0.2312

57.7412, 0.3319,
0.2681

34.9780, 0.3583,
0.2159

68.9522, 0.3248,
0.2878

30.6218, 0.3683,
0.2042

82.1449, 0.3187,
0.3073

27.6466, 0.3783,
0.1969

97.4103, 0.3135,
0.3262

■ 25.8719, 0.3882,
0.1944

99.9883, 0.3127,
0.3290

■ 25.0747, 0.3962,
0.1957

Harmonies

Analogous

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



48.4120, 0.2649, 0.2204



48.4120, 0.3399, 0.2489



48.4120, 0.4151, 0.2940

Triad

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



48.4120, 0.3399, 0.2489



48.4120, 0.4140, 0.4524



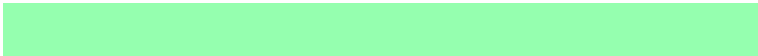
48.4120, 0.1848, 0.2813

Complementary

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



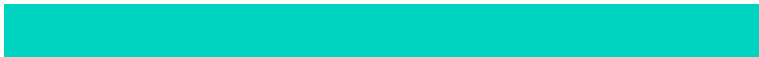
48.4120, 0.3399, 0.2489



80.9696, 0.2940, 0.4260

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.



48.4120, 0.2154, 0.3575



48.4120, 0.3399, 0.2489



48.4120, 0.3464, 0.4701

Square

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



48.4120, 0.3399, 0.2489



48.4120, 0.4575, 0.4046



48.4120, 0.2736, 0.4348



48.4120, 0.1838, 0.2325

Rectangle

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



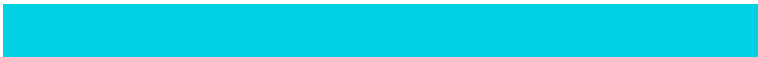
48.4120, 0.3399, 0.2489



48.4120, 0.4500, 0.3297



48.4120, 0.2736, 0.4348



48.4120, 0.1916, 0.3043

Sweetspot

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



48.4142, 0.3399, 0.2489



81.5330, 0.3190, 0.3064



37.6959, 0.2520, 0.2057



17.0602, 0.3197, 0.3039



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.



48.4142, 0.3399, 0.2489



41.9368, 0.3473, 0.2337



45.9434, 0.3909, 0.2996



18.2198, 0.3176, 0.3112



13.1342, 0.3947, 0.1948



1.2961, 0.3845, 0.1892

Inverse Universe

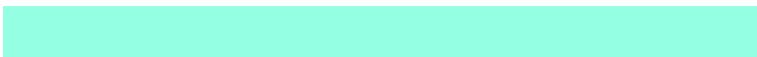
The Inverse Universe completely reimagines the original color for something new.



48.4142, 0.3399, 0.2489



41.9368, 0.3473, 0.2337



83.4041, 0.2687, 0.3616



18.2198, 0.3176, 0.3112



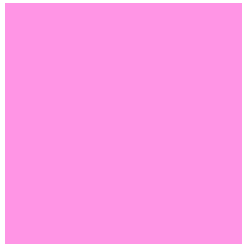
13.1342, 0.3947, 0.1948



1.2961, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 48.4120, 0.3399, 0.2489 looks on a white background.

Color Contrast Check

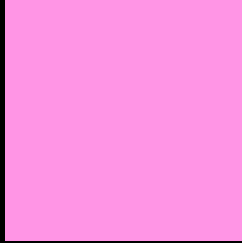
Large Text (above 18pt) WCAG AA × Fail

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 48.4120, 0.3399, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

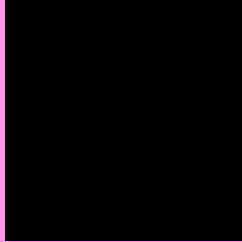
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4120, 0.3399, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 48.4120, 0.3399, 0.2489.



This preview shows how white text looks on a background with the Yxy color 48.4120, 0.3399, 0.2489.

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

48.4120, 0.3399, 0.2489

Protanopia

49.0221, 0.2518, 0.2452

Deuteranopia

48.5658, 0.2839, 0.2779



Tritanopia

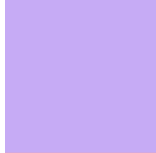
48.4633, 0.3850, 0.3163

Trichromacy



Original Color

48.4120, 0.3399, 0.2489



Protanomaly

47.7242, 0.2789, 0.2450



Deuteranomaly

47.5138, 0.3030, 0.2648



Tritanomaly

48.4734, 0.3691, 0.2911

Monochromacy



Original Color

48.4120, 0.3399, 0.2489



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.3157, 0.3230, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4120, 0.3399, 0.2489 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, 149, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 229)  
}
```

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, 149, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 229) }
```

Border

The CSS property to change the border of an element to Yxy 48.4120, 0.3399, 0.2489 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, 149, 229) }
```

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

```
.border{ border-color:rgb(255, 149, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4120, 0.3399, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 229) }
```

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

```
.background{ background-color: rgb(255,  
149, 229) }
```

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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