

Converting Colors

$Y_{xy}(49.3065, 0.3386, 0.2503)$

Have a look what the booklet for
Yxy(49.3065, 0.3386, 0.2503)
contains.

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Color

Yxy(49.4296, 0.3387, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	FF98E6
RGB	255, 152, 230
RGB Percent	100%, 60%, 90%
CMY	0.0000, 0.4039, 0.0979
CMYK	0.00, 0.40, 0.10, 0.00
HSL	315°, 100%, 80%
HSV	315°, 40%, 100%
XYZ	66.7536, 49.4296, 80.9045
YIQ	191.6890, 36.3500, 46.0940

Conversions

Conversions Part 2

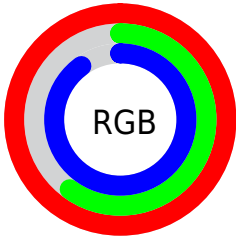
Format	Color
R _Y B	255, 152, 230
Decimal	16750822
CIE Lab	75.72, 49.11, -23.01
CIE LCh	76, 54.232, 334.890
Yxy	49.4296, 0.3387, 0.2508
Android (android.graphics.Color)	4294940902 (0xFFFF98E6)
YUV	191.6890, 18.8873, 55.5237
Hunter-Lab	70.3062, 46.4446, -19.0134

Details

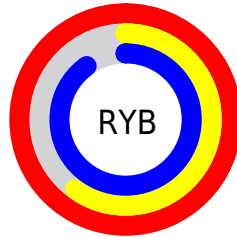
The Yxy color **49.4296, 0.3387, 0.2508** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.3687, 0.2945, 0.4231**, and the grayscale version is **52.3954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **23.6617, 0.3453, 0.2332** is the 20% darker color. If you saturate the color by 10%, you get **41.6838, 0.3474, 0.2328**, and if you desaturate by 10%, it is **58.9714, 0.3309, 0.2701**.

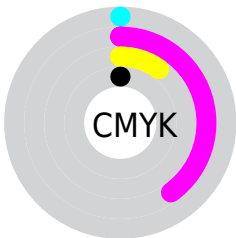
Distribution



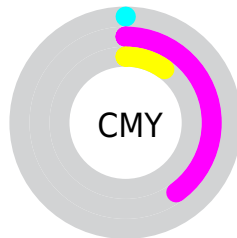
- Red (100%)
- Green (60%)
- Blue (90%)



- Red (100%)
- Yellow (60%)
- Blue (90%)



- Cyan (0%)
- Magenta (40%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4296, 0.3387, 0.2508 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 49.4296, 0.3387, 0.2508 by changing the saturation by 10% instead.


 49.4296, 0.3387,
0.2508


 49.4296, 0.3387,
0.2508


384.4311, 0.3271,
0.2867

 34.9604, 0.3412,
0.2427


 89.3292, 0.3348,
0.2632

 23.6324, 0.3443,
0.2328


 115.5283, 0.3332,
0.2680

 15.0611, 0.3481,
0.2203


146.4062, 0.3318,
0.2722

 8.8623, 0.3528,
0.2043

182.3473, 0.3307,
0.2759

 4.6515, 0.3588,
0.1830

223.7359, 0.3296,
0.2791

 2.0443, 0.3666,
0.1536

270.9565, 0.3287,

 0.6330, 0.3778,

0.2819

0.1082

324.3934, 0.3278,
0.2845

0.0000, 0.4051,
0.0000

0.0000, 0.0000,
0.0000

49.4296, 0.3387,
0.2508

49.4296, 0.3387,
0.2508

41.6838, 0.3474,
0.2328

58.9714, 0.3309,
0.2701

35.6120, 0.3567,
0.2171

70.4073, 0.3240,
0.2899

31.0877, 0.3665,
0.2049

83.8366, 0.3180,
0.3095

27.9634, 0.3765,
0.1970

99.3494, 0.3129,
0.3283

■ 26.0629, 0.3863,
0.1940

99.9999, 0.3127,
0.3290

■ 25.1178, 0.3953,
0.1951

Harmonies

Analogous

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



49.4296, 0.2660, 0.2231



49.4296, 0.3387, 0.2508



49.4296, 0.4115, 0.2948

Triad

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



49.4296, 0.3387, 0.2508



49.4296, 0.4118, 0.4488



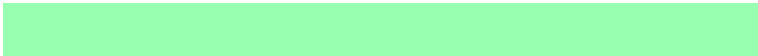
49.4296, 0.1883, 0.2835

Complementary

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



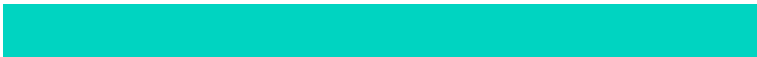
49.4296, 0.3387, 0.2508



81.3687, 0.2945, 0.4231

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.



49.4296, 0.2185, 0.3573



49.4296, 0.3387, 0.2508



49.4296, 0.3463, 0.4655

Square

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



49.4296, 0.3387, 0.2508



49.4296, 0.4536, 0.4027



49.4296, 0.2755, 0.4315



49.4296, 0.1870, 0.2356

Rectangle

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



49.4296, 0.3387, 0.2508



49.4296, 0.4455, 0.3297



49.4296, 0.2755, 0.4315



49.4296, 0.1951, 0.3058

Sweetspot

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



49.4319, 0.3387, 0.2508



81.5379, 0.3189, 0.3064



38.9115, 0.2541, 0.2095



17.0614, 0.3197, 0.3038



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.



49.4319, 0.3387, 0.2508



43.3796, 0.3452, 0.2369



46.9909, 0.3878, 0.3004



18.2206, 0.3175, 0.3112



13.1494, 0.3938, 0.1943



1.2975, 0.3837, 0.1887

Inverse Universe

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



49.4319, 0.3387, 0.2508



43.3796, 0.3452, 0.2369



83.7709, 0.2696, 0.3605



18.2206, 0.3175, 0.3112



13.1494, 0.3938, 0.1943



1.2975, 0.3837, 0.1887

Previews

White Background



This preview shows how the Yxy color 49.4296, 0.3387, 0.2508 looks on a white background.

Color Contrast Check

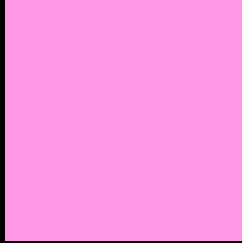
Large Text (above 18pt) WCAG AA × Fail

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 49.4296, 0.3387, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

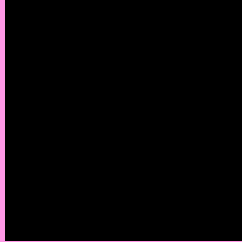
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4296, 0.3387, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 49.4296, 0.3387, 0.2508.

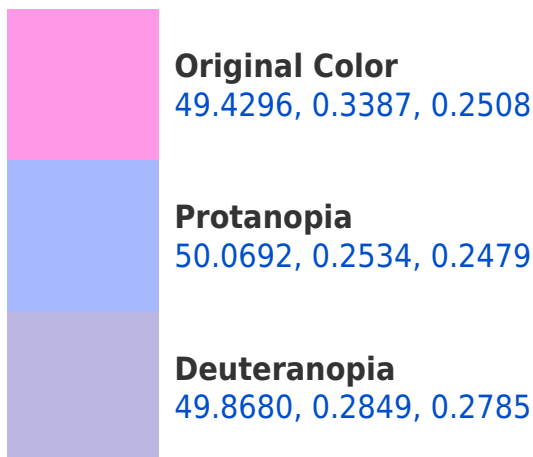


This preview shows how white text looks on a background with the Yxy color 49.4296, 0.3387, 0.2508.

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

49.4293, 0.3833, 0.3163

Trichromacy



Original Color

49.4296, 0.3387, 0.2508



Protanomaly

48.6218, 0.2798, 0.2475



Deuteranomaly

49.0481, 0.3031, 0.2665



Tritanomaly

49.2456, 0.3667, 0.2911

Monochromacy



Original Color

49.4296, 0.3387, 0.2508



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.3476, 0.3220, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4296, 0.3387, 0.2508 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, 152, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 230)  
}
```

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, 152, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 230) }
```

Border

The CSS property to change the border of an element to Yxy 49.4296, 0.3387, 0.2508 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, 152, 230) }
```

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

```
.border{ border-color:rgb(255, 152, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4296, 0.3387, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 230) }
```

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

```
.background{ background-color: rgb(255,  
152, 230) }
```

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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