

Converting Colors

Yxy(49.8897, 0.3365, 0.2497)

Have a look what the booklet for
Yxy(49.8897, 0.3365, 0.2497)
contains.

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Color

Yxy(49.8687, 0.3368, 0.2500)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF99E8 |
| RGB | 255, 153, 232 |
| RGB Percent | 100%, 60%, 91% |
| CMY | 0.0002, 0.3999, 0.0902 |
| CMYK | 0.00, 0.40, 0.09, 0.00 |
| HSL | 314°, 100%, 80% |
| HSV | 314°, 40%, 100% |
| XYZ | 67.1831, 49.8687, 82.4230 |
| YIQ | 192.5040, 35.4330, 46.1930 |

Conversions

Conversions Part 2

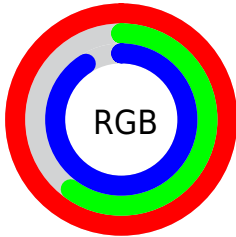
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 153, 232 |
| Decimal | 16751080 |
| CIELab | 75.99, 48.89, -23.67 |
| CIELCh | 76, 54.321, 334.163 |
| Yxy | 49.8687, 0.3368, 0.2500 |
| Android (android.graphics.Color) | 4294941160 (0xFFFF99E8) |
| YUV | 192.5040, 19.4715, 54.8090 |
| Hunter-Lab | 70.6178, 46.2371, -19.7691 |

Details

The Yxy color **49.8687, 0.3368, 0.2500** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.4010, 0.2956, 0.4241**, and the grayscale version is **52.8935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.9286, 0.3427, 0.2321** is the 20% darker color. If you saturate the color by 10%, you get **42.0745, 0.3448, 0.2316**, and if you desaturate by 10%, it is **59.4611, 0.3295, 0.2697**.

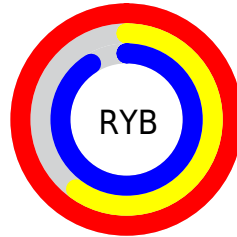
Distribution



Red (100%)

Green (60%)

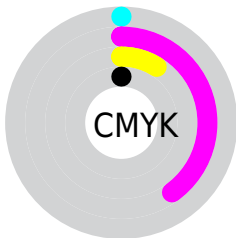
Blue (91%)



Red (100%)

Yellow (60%)

Blue (91%)

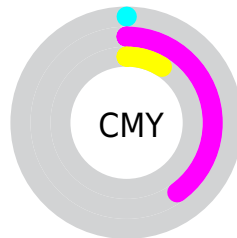


Cyan (0%)

Magenta (40%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8687, 0.3368, 0.2500 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 49.8687, 0.3368, 0.2500 by changing the saturation by 10% instead.


 49.8687, 0.3368,
0.2500


 49.8687, 0.3368,
0.2500


386.1523, 0.3261,
0.2862

 35.3091, 0.3391,
0.2419


 89.9803, 0.3332,
0.2625

 23.9011, 0.3419,
0.2319


 116.3011, 0.3318,
0.2673

 15.2602, 0.3452,
0.2194


147.3110, 0.3305,
0.2716

 9.0022, 0.3494,
0.2033

183.3946, 0.3294,
0.2752

 4.7426, 0.3546,
0.1821

224.9361, 0.3285,
0.2785

 2.0971, 0.3612,
0.1529

272.3199, 0.3276,

 0.6630, 0.3698,

0.2814

0.1087

325.9305, 0.3268,
0.2839

0.0000, 0.3939,
0.0000

0.0000, 0.0000,
0.0000

49.8687, 0.3368,
0.2500

49.8687, 0.3368,
0.2500

42.0745, 0.3448,
0.2316

59.4611, 0.3295,
0.2697

35.9569, 0.3535,
0.2155

70.9494, 0.3231,
0.2899

31.3902, 0.3625,
0.2029

84.4323, 0.3175,
0.3098

28.2280, 0.3716,
0.1946

99.9893, 0.3127,
0.3290

■ 26.2956, 0.3806,
0.1910

99.9914, 0.3127,
0.3290

■ 25.3083, 0.3891,
0.1917

■ 25.3063, 0.3892,
0.1917

Harmonies

Analogous

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



49.8687, 0.2645, 0.2228



49.8687, 0.3368, 0.2500



49.8687, 0.4099, 0.2937

Triad

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



49.8687, 0.3368, 0.2500



49.8687, 0.4130, 0.4478



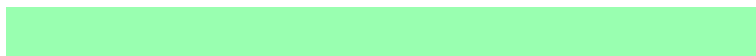
49.8687, 0.1888, 0.2851

Complementary

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



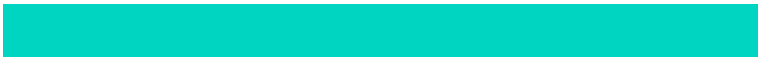
49.8687, 0.3368, 0.2500



81.4010, 0.2956, 0.4241

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.



49.8687, 0.2197, 0.3592



49.8687, 0.3368, 0.2500



49.8687, 0.3480, 0.4655

Square

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



49.8687, 0.3368, 0.2500



49.8687, 0.4540, 0.4014



49.8687, 0.2771, 0.4327



49.8687, 0.1869, 0.2365

Rectangle

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



49.8687, 0.3368, 0.2500



49.8687, 0.4444, 0.3284



49.8687, 0.2771, 0.4327



49.8687, 0.1959, 0.3076

Sweetspot

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



49.8710, 0.3368, 0.2500



81.5705, 0.3186, 0.3059



39.1384, 0.2536, 0.2105



17.0691, 0.3193, 0.3033



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.



49.8710, 0.3368, 0.2500



43.4953, 0.3432, 0.2351



47.4189, 0.3849, 0.2990



18.2262, 0.3173, 0.3108



13.2521, 0.3878, 0.1910



1.3067, 0.3786, 0.1859

Inverse Universe

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



49.8710, 0.3368, 0.2500



43.4953, 0.3432, 0.2351



83.7618, 0.2708, 0.3622



18.2262, 0.3173, 0.3108



13.2521, 0.3878, 0.1910



1.3067, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 49.8687, 0.3368, 0.2500 looks on a white background.

Color Contrast Check

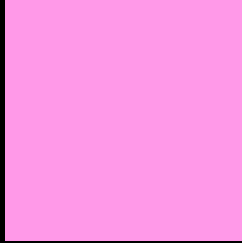
Large Text (above 18pt) WCAG AA × Fail

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 49.8687, 0.3368, 0.2500 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 49.8687, 0.3368, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 49.8687, 0.3368, 0.2500.



This preview shows how white text looks on a background with the Yxy color 49.8687, 0.3368, 0.2500.

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

49.8687, 0.3368, 0.2500

Protanopia

50.2428, 0.2535, 0.2470

Deuteranopia

50.3918, 0.2836, 0.2775



Tritanopia

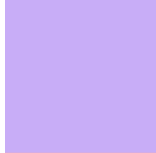
49.6817, 0.3801, 0.3152

Trichromacy



Original Color

49.8687, 0.3368, 0.2500



Protanomaly

48.8819, 0.2792, 0.2457



Deuteranomaly

49.5413, 0.3015, 0.2656



Tritanomaly

49.6821, 0.3646, 0.2901

Monochromacy



Original Color

49.8687, 0.3368, 0.2500



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

50.9447, 0.3220, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8687, 0.3368, 0.2500 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.8687, 0.3368, 0.2500 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, 232) }
```

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

```
.border{ border-color:rgb(255, 153, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8687, 0.3368, 0.2500 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
153, 232) }
```

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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