

Converting Colors

$Y_{xy}(49.7602, 0.3688, 0.2889)$

Have a look what the booklet for
Yxy(49.7602, 0.3688, 0.2889)
contains.

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Color

Yxy(49.7449, 0.3687, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EC5
RGB	255, 158, 197
RGB Percent	100%, 62%, 77%
CMY	0.0000, 0.3804, 0.2275
CMYK	0.00, 0.38, 0.23, 0.00
HSL	336°, 100%, 81%
HSV	336°, 38%, 100%
XYZ	63.5514, 49.7449, 59.0699
YIQ	191.4490, 45.2930, 32.6930

Conversions

Conversions Part 2

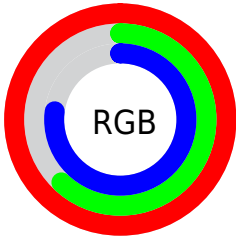
Format	Color
R _Y B	255, 158, 197
Decimal	16752325
CIE Lab	75.91, 41.04, -4.65
CIE LCh	76, 41.307, 353.540
Yxy	49.7449, 0.3687, 0.2886
Android (android.graphics.Color)	4294942405 (0xFFFF9EC5)
YUV	191.4490, 2.7366, 55.7342
Hunter-Lab	70.5301, 37.4106, -0.2852

Details

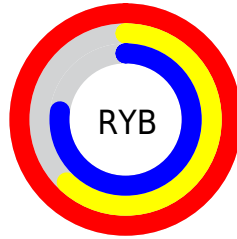
The Yxy color **49.7449, 0.3687, 0.2886** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.7463, 0.2781, 0.3741**, and the grayscale version is **52.3345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5089, 0.3153, 0.2900**, and **23.8221, 0.3835, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **41.2632, 0.3910, 0.2783**, and if you desaturate by 10%, it is **60.0961, 0.3498, 0.2995**.

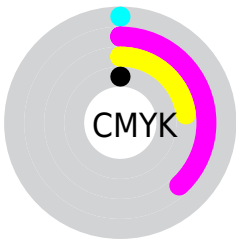
Distribution



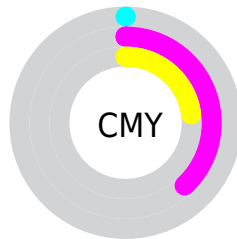
- Red (100%)
- Green (62%)
- Blue (77%)



- Red (100%)
- Yellow (62%)
- Blue (77%)



- Cyan (0%)
- Magenta (38%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7449, 0.3687, 0.2886 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 49.7449, 0.3687, 0.2886 by changing the saturation by 10% instead.


 49.7449, 0.3687,
0.2886


 49.7449, 0.3687,
0.2886


385.6675, 0.3413,
0.3081

 35.2107, 0.3754,
0.2839


 89.7968, 0.3589,
0.2955

 23.8253, 0.3838,
0.2781


 116.0833, 0.3551,
0.2982

 15.2040, 0.3949,
0.2705


147.0561, 0.3520,
0.3004

 8.9627, 0.4100,
0.2602

183.0995, 0.3492,
0.3024

 4.7169, 0.4317,
0.2457

224.5980, 0.3469,
0.3041

 2.0821, 0.4655,
0.2238

271.9359, 0.3448,

 0.6545, 0.5275,

0.3056

0.1826

325.4976, 0.3429,
0.3069

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7449, 0.3687,
0.2886

■ 49.7449, 0.3687,
0.2886

■ 41.2632, 0.3910,
0.2783

■ 60.0961, 0.3498,
0.2995

■ 34.5452, 0.4169,
0.2696

■ 72.4304, 0.3342,
0.3105

■ 29.4607, 0.4459,
0.2637

■ 86.8417, 0.3214,
0.3210

■ 25.8651, 0.4769,
0.2619

100.0000, 0.3127,
0.3290

■ 23.5880, 0.5078,
0.2653

■ 22.3986, 0.5364,
0.2739

■ 22.2296, 0.5418,
0.2758

Harmonies

Analogous

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



49.7449, 0.3113, 0.2572



49.7449, 0.3687, 0.2886



49.7449, 0.4121, 0.3297

Triad

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



49.7449, 0.3687, 0.2886



49.7449, 0.3611, 0.4317



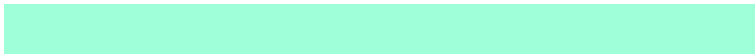
49.7449, 0.2114, 0.2694

Complementary

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



49.7449, 0.3687, 0.2886



83.7463, 0.2781, 0.3741

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.



49.7449, 0.2219, 0.3156



49.7449, 0.3687, 0.2886



49.7449, 0.3060, 0.4188

Square

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



49.7449, 0.3687, 0.2886



49.7449, 0.4055, 0.4120



49.7449, 0.2554, 0.3731



49.7449, 0.2243, 0.2445

Rectangle

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



49.7449, 0.3687, 0.2886



49.7449, 0.4248, 0.3592



49.7449, 0.2554, 0.3731



49.7449, 0.2122, 0.2827

Sweetspot

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



49.7420, 0.3687, 0.2886



82.3572, 0.3249, 0.3179



46.0548, 0.2843, 0.2250



17.2013, 0.3266, 0.3165



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.



49.7420, 0.3687, 0.2886



42.8477, 0.3862, 0.2803



51.0286, 0.4042, 0.3378



18.1081, 0.3231, 0.3195



11.6430, 0.5376, 0.2735



1.1546, 0.5075, 0.2569

Inverse Universe

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



49.7420, 0.3687, 0.2886



42.8477, 0.3862, 0.2803



80.9585, 0.2583, 0.3198



18.1081, 0.3231, 0.3195



11.6430, 0.5376, 0.2735



1.1546, 0.5075, 0.2569

Previews

White Background



This preview shows how the Yxy color 49.7449, 0.3687, 0.2886 looks on a white background.

Color Contrast Check

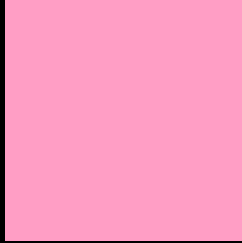
Large Text (above 18pt) WCAG AA × Fail

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 49.7449, 0.3687, 0.2886 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 49.7449, 0.3687, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 49.7449, 0.3687, 0.2886.



This preview shows how white text looks on a background with the Yxy color 49.7449, 0.3687, 0.2886.

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

49.7449, 0.3687, 0.2886

Protanopia

50.0401, 0.2896, 0.2944

Deuteranopia

50.0027, 0.3219, 0.3157



Tritanopia

49.7793, 0.3883, 0.3165

Trichromacy



Original Color

49.7449, 0.3687, 0.2886



Protanomaly

49.1600, 0.3153, 0.2914



Deuteranomaly

49.3118, 0.3388, 0.3048



Tritanomaly

49.9380, 0.3816, 0.3071

Monochromacy



Original Color

49.7449, 0.3687, 0.2886



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.3866, 0.3317, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7449, 0.3687, 0.2886 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, 158, 197)` looks like.

```
.text, #text, p{  
  color:rgb(255, 158, 197)  
}
```

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, 158, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.7449, 0.3687, 0.2886 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, 158, 197) }
```

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

```
.border{ border-color:rgb(255, 158, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7449, 0.3687, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 197) }
```

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

```
.background{ background-color: rgb(255,  
158, 197) }
```

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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