

Converting Colors

$Y_{xy}(53.1016, 0.3685, 0.2668)$

Have a look what the booklet for
Yxy(53.1016, 0.3685, 0.2668)
contains.

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Color

Yxy(48.7784, 0.3497, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	FF98DA
RGB	255, 152, 218
RGB Percent	100%, 60%, 85%
CMY	0.0000, 0.4040, 0.1449
CMYK	0.00, 0.40, 0.14, 0.00
HSL	322°, 100%, 80%
HSV	322°, 40%, 100%
XYZ	65.1310, 48.7784, 72.3388
YIQ	190.3210, 40.2020, 42.3620

Conversions

Conversions Part 2

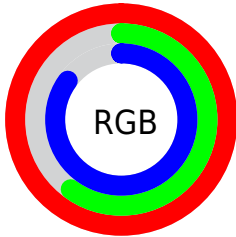
Format	Color
R _Y B	255, 152, 218
Decimal	16750810
CIE Lab	75.31, 47.22, -17.08
CIE LCh	75, 50.214, 340.116
Yxy	48.7784, 0.3497, 0.2619
Android (android.graphics.Color)	4294940890 (0xFFFF98DA)
YUV	190.3210, 13.6457, 56.7235
Hunter-Lab	69.8415, 44.2382, -12.5209

Details

The Yxy color $48.7784, 0.3497, 0.2619$ is a light color, and the websafe version is hex $FF99CC$. A complement of this color would be $81.8666, 0.2885, 0.4081$, and the grayscale version is $51.5885, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $23.1155, 0.3582, 0.2454$ is the 20% darker color. If you saturate the color by 10%, you get $40.9058, 0.3627, 0.2462$, and if you desaturate by 10%, it is $58.4555, 0.3382, 0.2787$.

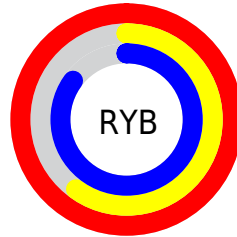
Distribution



Red (100%)

Green (60%)

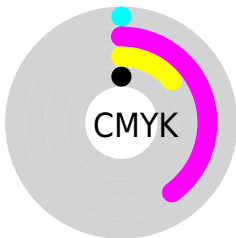
Blue (85%)



Red (100%)

Yellow (60%)

Blue (85%)

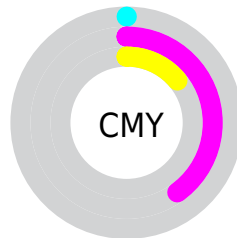


Cyan (0%)

Magenta (40%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7784, 0.3497, 0.2619 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 48.7784, 0.3497, 0.2619 by changing the saturation by 10% instead.


 48.7784, 0.3497,
0.2619


 48.7784, 0.3497,
0.2619


381.8693, 0.3323,
0.2932

 34.4437, 0.3537,
0.2547


 88.3622, 0.3436,
0.2728

 23.2347, 0.3587,
0.2458


 114.3802, 0.3413,
0.2770

 14.7669, 0.3651,
0.2346


145.0614, 0.3392,
0.2807

 8.6560, 0.3735,
0.2199

180.7901, 0.3375,
0.2838

 4.5175, 0.3850,
0.2000

221.9509, 0.3360,
0.2866

 1.9670, 0.4016,
0.1718

268.9281, 0.3346,

 0.5882, 0.4301,

0.2891

0.1237

322.1061, 0.3334,
0.2912

■ 0.0000, 0.5118,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.7784, 0.3497,
0.2619

■ 48.7784, 0.3497,
0.2619

■ 40.9058, 0.3627,
0.2462

■ 58.4555, 0.3382,
0.2787

■ 34.7238, 0.3772,
0.2327

■ 70.0439, 0.3284,
0.2957

■ 30.1027, 0.3928,
0.2225

■ 83.6403, 0.3200,
0.3124

■ 26.8949, 0.4090,
0.2167

■ 99.3352, 0.3130,
0.3284

■ 24.9235, 0.4251,
0.2160

100.0000, 0.3127,
0.3290

■ 23.9224, 0.4402,
0.2199

Harmonies

Analogous

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



48.7784, 0.2801, 0.2325



48.7784, 0.3497, 0.2619



48.7784, 0.4143, 0.3057

Triad

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



48.7784, 0.3497, 0.2619



48.7784, 0.3965, 0.4465



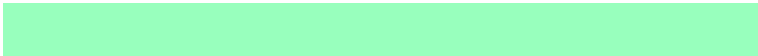
48.7784, 0.1937, 0.2773

Complementary

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



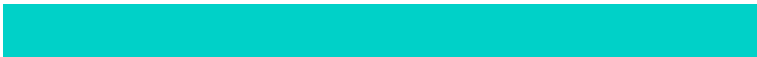
48.7784, 0.3497, 0.2619



81.8666, 0.2885, 0.4081

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.



48.7784, 0.2178, 0.3427



48.7784, 0.3497, 0.2619



48.7784, 0.3332, 0.4534

Square

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



48.7784, 0.3497, 0.2619



48.7784, 0.4401, 0.4076



48.7784, 0.2678, 0.4133



48.7784, 0.1970, 0.2368

Rectangle

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



48.7784, 0.3497, 0.2619



48.7784, 0.4416, 0.3394



48.7784, 0.2678, 0.4133



48.7784, 0.1987, 0.2968

Sweetspot

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



48.7779, 0.3497, 0.2619



81.3195, 0.3213, 0.3098



40.3709, 0.2631, 0.2123



17.0098, 0.3223, 0.3076



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.



48.7779, 0.3497, 0.2619



42.6330, 0.3595, 0.2498



46.5203, 0.4002, 0.3130



18.1832, 0.3193, 0.3139



12.5296, 0.4377, 0.2185



1.2409, 0.4208, 0.2092

Inverse Universe

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



48.7779, 0.3497, 0.2619



42.6330, 0.3595, 0.2498



84.4591, 0.2640, 0.3464



18.1832, 0.3193, 0.3139



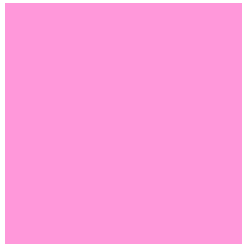
12.5296, 0.4377, 0.2185



1.2409, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 48.7784, 0.3497, 0.2619 looks on a white background.

Color Contrast Check

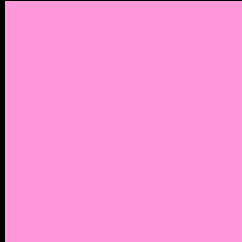
Large Text (above 18pt) WCAG AA × Fail

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 48.7784, 0.3497, 0.2619 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 48.7784, 0.3497, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 48.7784, 0.3497, 0.2619.



This preview shows how white text looks on a background with the Yxy color 48.7784, 0.3497, 0.2619.

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

48.7784, 0.3497, 0.2619

Protanopia

49.2302, 0.2639, 0.2616

Deuteranopia

48.9282, 0.2965, 0.2900



Tritanopia

48.8309, 0.3868, 0.3164

Trichromacy



Original Color

48.7784, 0.3497, 0.2619



Protanomaly

47.8878, 0.2912, 0.2598



Deuteranomaly

47.9519, 0.3143, 0.2772



Tritanomaly

48.8233, 0.3737, 0.2964

Monochromacy



Original Color

48.7784, 0.3497, 0.2619



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.5169, 0.3262, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7784, 0.3497, 0.2619 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.7784, 0.3497, 0.2619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

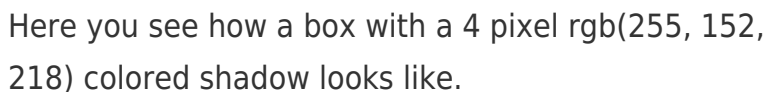
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 152, 218) }
```

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

```
.border{ border-color:rgb(255, 152, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7784, 0.3497, 0.2619 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
152, 218) }
```

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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