

Converting Colors

$Y_{xy}(49.2555, 0.4109, 0.3382)$

Have a look what the booklet for
Yxy(49.2555, 0.4109, 0.3382)
contains.

Yxy(49.4006, 0.4108, 0.3388)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.4006, 0.4108, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	FFA299
RGB	255, 162, 153
RGB Percent	100%, 64%, 60%
CMY	0.0002, 0.3646, 0.4000
CMYK	0.00, 0.36, 0.40, 0.00
HSL	5°, 100%, 80%
HSV	5°, 40%, 100%
XYZ	59.8990, 49.4006, 36.5110
YIQ	188.7810, 58.3170, 16.9170

Conversions

Conversions Part 2

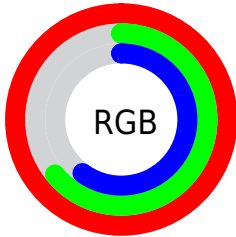
Format	Color
R_{YB}	255, 163, 153
Decimal	16753305
CIE _{Lab}	75.70, 33.42, 19.16
CIE _{LCh}	76, 38.520, 29.821
Yxy	49.4006, 0.4108, 0.3388
Android (android.graphics.Color)	4294943385 (0xFFFFA299)
YUV	188.7810, -17.6400, 58.0741
Hunter-Lab	70.2856, 29.1220, 18.4008

Details

The Yxy color **49.4006, 0.4108, 0.3388** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.8544, 0.2559, 0.3187**, and the grayscale version is **50.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9078, 0.3477, 0.3403**, and **23.6324, 0.4390, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **41.2030, 0.4493, 0.3410**, and if you desaturate by 10%, it is **59.2956, 0.3784, 0.3363**.

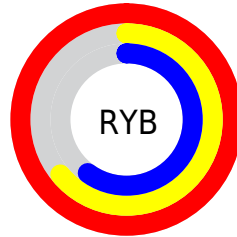
Distribution



Red (100%)

Green (64%)

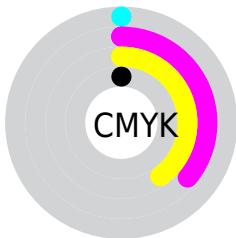
Blue (60%)



Red (100%)

Yellow (64%)

Blue (60%)

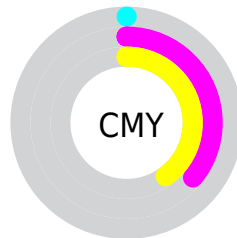


Cyan (0%)

Magenta (36%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4006, 0.4108, 0.3388 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 49.4006, 0.4108, 0.3388 by changing the saturation by 10% instead.


 49.4006, 0.4108,
0.3388

 49.4006, 0.4108,
0.3388


384.3173, 0.3617,
0.3357

 34.9374, 0.4229,
0.3390


 89.2861, 0.3930,
0.3381

 23.6146, 0.4384,
0.3389


 115.4772, 0.3863,
0.3377

 15.0480, 0.4586,
0.3383


146.3464, 0.3807,
0.3374

 8.8531, 0.4863,
0.3364

182.2781, 0.3758,
0.3370

 4.6455, 0.5258,
0.3317

223.6566, 0.3716,
0.3366

 2.0408, 0.5904,
0.3222

270.8664, 0.3679,

 0.6310, 0.7114,

0.3363

0.2886

324.2918, 0.3646,
0.3360

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.4006, 0.4108,
0.3388

49.4006, 0.4108,
0.3388

41.2030, 0.4493,
0.3410

59.2956, 0.3784,
0.3363

34.6005, 0.4930,
0.3424

70.9683, 0.3518,
0.3337

29.4912, 0.5391,
0.3426

84.5026, 0.3302,
0.3313

25.7582, 0.5822,
0.3412

99.9750, 0.3127,
0.3290

■ 23.2671, 0.6155,
0.3379

99.9927, 0.3127,
0.3290

■ 21.8501, 0.6349,
0.3341

■ 21.8496, 0.6349,
0.3341

Harmonies

Analogous

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



49.4006, 0.3753, 0.2987



49.4006, 0.4108, 0.3388



49.4006, 0.4167, 0.3798

Triad

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



49.4006, 0.4108, 0.3388



49.4006, 0.2960, 0.4056



49.4006, 0.2348, 0.2473

Complementary

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



49.4006, 0.4108, 0.3388



79.8544, 0.2559, 0.3187

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.



49.4006, 0.2180, 0.2667



49.4006, 0.4108, 0.3388



49.4006, 0.2509, 0.3590

Square

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



49.4006, 0.4108, 0.3388



49.4006, 0.3480, 0.4250



49.4006, 0.2234, 0.3064



49.4006, 0.2718, 0.2481

Rectangle

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



49.4006, 0.4108, 0.3388



49.4006, 0.4036, 0.4034



49.4006, 0.2234, 0.3064



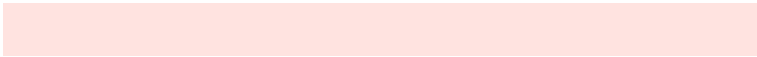
49.4006, 0.2268, 0.2514

Sweetspot

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



49.4030, 0.4108, 0.3388



81.6630, 0.3341, 0.3318



50.7147, 0.3243, 0.2373



17.0883, 0.3368, 0.3321



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.



49.4030, 0.4108, 0.3388



42.7221, 0.4412, 0.3406



70.8766, 0.3890, 0.3903



18.2457, 0.3292, 0.3312



11.5081, 0.6335, 0.3352



1.2043, 0.6201, 0.3458

Inverse Universe

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



79.8544, 0.2559, 0.3187



76.9670, 0.2468, 0.3163



53.2341, 0.2464, 0.2582



20.1898, 0.2980, 0.3268



34.1609, 0.2169, 0.3009



3.4035, 0.2179, 0.3044

Previews

White Background



This preview shows how the Yxy color 49.4006, 0.4108, 0.3388 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 49.4006, 0.4108, 0.3388 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 49.4006, 0.4108, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 49.4006, 0.4108, 0.3388.



This preview shows how white text looks on a background with the Yxy color 49.4006, 0.4108, 0.3388.

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

49.4006, 0.4108, 0.3388

Protanopia

49.4365, 0.3372, 0.3558

Deuteranopia

49.7500, 0.3723, 0.3651



Tritanopia

49.3802, 0.3928, 0.3166

Trichromacy



Original Color

49.4006, 0.4108, 0.3388

Protanomaly

48.7692, 0.3627, 0.3484

Deuteranomaly

49.1104, 0.3861, 0.3545

Tritanomaly

49.4664, 0.3994, 0.3250

Monochromacy



Original Color

49.4006, 0.4108, 0.3388

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.5209, 0.3453, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4006, 0.4108, 0.3388 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, 162, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 153)  
}
```

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, 162, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 153) }
```

Border

The CSS property to change the border of an element to Yxy 49.4006, 0.4108, 0.3388 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, 162, 153) }
```

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

```
.border{ border-color:rgb(255, 162, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4006, 0.4108, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 153) }
```

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

```
.background{ background-color: rgb(255,  
162, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor