

Converting Colors

$Y_{xy}(62.2650, 0.4345, 0.3124)$

Have a look what the booklet for
Yxy(62.2650, 0.4345, 0.3124)
contains.

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Color

Yxy(49.6969, 0.3848, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	FFA0B4
RGB	255, 160, 180
RGB Percent	100%, 63%, 71%
CMY	0.0000, 0.3725, 0.2941
CMYK	0.00, 0.37, 0.29, 0.00
HSL	347°, 100%, 81%
HSV	347°, 37%, 100%
XYZ	62.0486, 49.6969, 49.5034
YIQ	190.6850, 50.2000, 26.3600

Conversions

Conversions Part 2

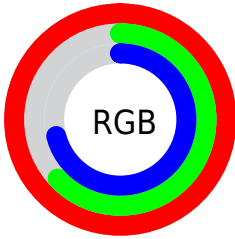
Format	Color
R _Y B	255, 160, 180
Decimal	16752820
CIE Lab	75.88, 37.70, 4.63
CIE LCh	76, 37.982, 7.003
Yxy	49.6969, 0.3848, 0.3082
Android (android.graphics.Color)	4294942900 (0xFFFFA0B4)
YUV	190.6850, -5.2677, 56.4043
Hunter-Lab	70.4960, 33.7425, 7.7129

Details

The Yxy color **49.6969, 0.3848, 0.3082** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.9913, 0.2699, 0.3515**, and the grayscale version is **51.9194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4279, 0.3274, 0.3092**, and **23.7835, 0.4051, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **40.9841, 0.4151, 0.3029**, and if you desaturate by 10%, it is **60.3467, 0.3597, 0.3140**.

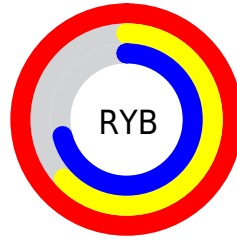
Distribution



Red (100%)

Green (63%)

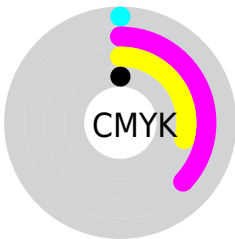
Blue (71%)



Red (100%)

Yellow (63%)

Blue (71%)

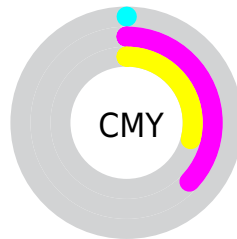


Cyan (0%)

Magenta (37%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6969, 0.3848, 0.3082 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 49.6969, 0.3848, 0.3082 by changing the saturation by 10% instead.


 49.6969, 0.3848,
0.3082


 49.6969, 0.3848,
0.3082


385.4795, 0.3490,
0.3189

 35.1726, 0.3936,
0.3054

 89.7256, 0.3719,
0.3122

 23.7959, 0.4049,
0.3019


 115.9989, 0.3670,
0.3136

 15.1823, 0.4198,
0.2971


146.9572, 0.3628,
0.3149

 8.9474, 0.4403,
0.2903

182.9851, 0.3593,
0.3159

 4.7069, 0.4701,
0.2800

224.4668, 0.3562,
0.3168

 2.0763, 0.5172,
0.2629

271.7869, 0.3535,

 0.6513, 0.6280,

0.3176

0.2337

325.3296, 0.3511,
0.3183

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.6969, 0.3848,
0.3082

49.6969, 0.3848,
0.3082

40.9841, 0.4151,
0.3029

60.3467, 0.3597,
0.3140

34.0844, 0.4507,
0.2988

73.0332, 0.3392,
0.3197

28.8707, 0.4906,
0.2967

87.8579, 0.3227,
0.3252

25.1965, 0.5320,
0.2977

99.9996, 0.3127,
0.3290

■ 22.8898, 0.5707,
0.3024

■ 21.7297, 0.6017,
0.3105

■ 21.5229, 0.6088,
0.3128

Harmonies

Analogous

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



49.6969, 0.3357, 0.2740



49.6969, 0.3848, 0.3082



49.6969, 0.4135, 0.3486

Triad

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



49.6969, 0.3848, 0.3082



49.6969, 0.3354, 0.4218



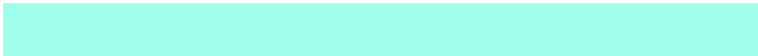
49.6969, 0.2214, 0.2612

Complementary

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



49.6969, 0.3848, 0.3082



84.9913, 0.2699, 0.3515

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.



49.6969, 0.2214, 0.2959



49.6969, 0.3848, 0.3082



49.6969, 0.2846, 0.3951

Square

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



49.6969, 0.3848, 0.3082



49.6969, 0.3824, 0.4168



49.6969, 0.2435, 0.3459



49.6969, 0.2430, 0.2469

Rectangle

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



49.6969, 0.3848, 0.3082



49.6969, 0.4159, 0.3756



49.6969, 0.2435, 0.3459



49.6969, 0.2189, 0.2706

Sweetspot

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



49.6993, 0.3848, 0.3082



82.0457, 0.3285, 0.3232



49.9272, 0.3003, 0.2317



17.1274, 0.3307, 0.3225



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.



49.6993, 0.3848, 0.3082



42.7843, 0.4078, 0.3040



59.3053, 0.3938, 0.3575



18.0496, 0.3261, 0.3240



11.2638, 0.6052, 0.3107



1.1118, 0.5749, 0.2941

Inverse Universe

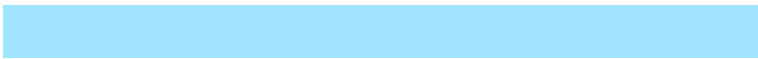
The Inverse Universe completely reimagines the original color for something new.



49.6993, 0.3848, 0.3082



42.7843, 0.4078, 0.3040



70.2273, 0.2561, 0.2982



18.0496, 0.3261, 0.3240



11.2638, 0.6052, 0.3107



1.1118, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 49.6969, 0.3848, 0.3082 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 49.6969, 0.3848, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

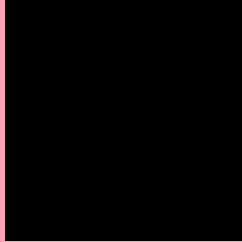
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6969, 0.3848, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 49.6969, 0.3848, 0.3082.



This preview shows how white text looks on a background with the Yxy color 49.6969, 0.3848, 0.3082.

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

49.6969, 0.3848, 0.3082

Protanopia

49.8768, 0.3083, 0.3177

Deuteranopia

49.8840, 0.3422, 0.3351



Tritanopia

49.5777, 0.3905, 0.3165

Trichromacy



Original Color

49.6969, 0.3848, 0.3082



Protanomaly

49.3081, 0.3336, 0.3136



Deuteranomaly

49.2302, 0.3575, 0.3245



Tritanomaly

49.6952, 0.3875, 0.3134

Monochromacy



Original Color

49.6969, 0.3848, 0.3082



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.5265, 0.3366, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6969, 0.3848, 0.3082 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, 160, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 180)  
}
```

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, 160, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 180) }
```

Border

The CSS property to change the border of an element to Yxy 49.6969, 0.3848, 0.3082 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, 160, 180) }
```

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

```
.border{ border-color:rgb(255, 160, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6969, 0.3848, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 180) }
```

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

```
.background{ background-color: rgb(255,  
160, 180) }
```

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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