

Converting Colors

Yxy(50.0059, 0.3641, 0.2840)

Have a look what the booklet for
Yxy(50.0059, 0.3641, 0.2840)
contains.

Yxy(49.9780, 0.3638, 0.2836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.9780, 0.3638, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	FF9ECA
RGB	255, 158, 202
RGB Percent	100%, 62%, 79%
CMY	0.0002, 0.3802, 0.2079
CMYK	0.00, 0.38, 0.21, 0.00
HSL	333°, 100%, 81%
HSV	333°, 38%, 100%
XYZ	64.1114, 49.9780, 62.1377
YIQ	192.0190, 43.6880, 34.2480

Conversions

Conversions Part 2

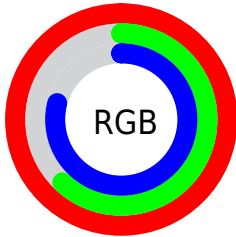
Format	Color
R _Y B	255, 158, 202
Decimal	16752330
CIE Lab	76.06, 41.71, -7.18
CIE LCh	76, 42.320, 350.237
Yxy	49.9780, 0.3638, 0.2836
Android (android.graphics.Color)	4294942410 (0xFFFF9ECA)
YUV	192.0190, 4.9206, 55.2343
Hunter-Lab	70.6951, 38.1602, -2.6265

Details

The Yxy color **49.9780, 0.3638, 0.2836** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.4612, 0.2806, 0.3801**, and the grayscale version is **52.6780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.1116, 0.3779, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **41.5335, 0.3840, 0.2720**, and if you desaturate by 10%, it is **60.2908, 0.3467, 0.2959**.

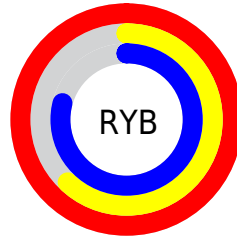
Distribution



Red (100%)

Green (62%)

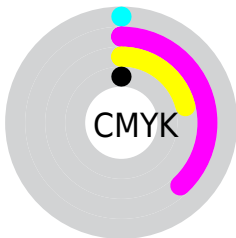
Blue (79%)



Red (100%)

Yellow (62%)

Blue (79%)

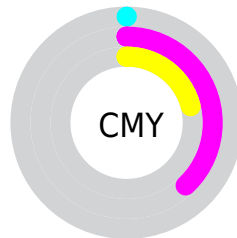


Cyan (0%)

Magenta (38%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9780, 0.3638, 0.2836 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 49.9780, 0.3638, 0.2836 by changing the saturation by 10% instead.


 49.9780, 0.3638,
0.2836

 49.9780, 0.3638,
0.2836


386.5799, 0.3390,
0.3053

 35.3959, 0.3698,
0.2785


 90.1423, 0.3549,
0.2913

 23.9680, 0.3774,
0.2721


 116.4933, 0.3516,
0.2942

 15.3099, 0.3872,
0.2638


147.5360, 0.3487,
0.2967

 9.0372, 0.4006,
0.2527

183.6549, 0.3462,
0.2989

 4.7654, 0.4198,
0.2373

225.2343, 0.3440,
0.3008

 2.1103, 0.4493,
0.2142

272.6587, 0.3421,

 0.6704, 0.5023,

0.3025

0.1731

326.3125, 0.3405,
0.3040

0.0000, 0.9583,
0.0000

0.0000, 0.0000,
0.0000

49.9780, 0.3638,
0.2836

49.9780, 0.3638,
0.2836

41.5335, 0.3840,
0.2720

60.2908, 0.3467,
0.2959

34.8363, 0.4072,
0.2620

72.5692, 0.3324,
0.3082

29.7622, 0.4331,
0.2549

86.9118, 0.3206,
0.3200

26.1674, 0.4607,
0.2520

99.9897, 0.3127,
0.3290

■ 23.8821, 0.4886,
0.2543

■ 22.6773, 0.5150,
0.2620

■ 22.5020, 0.5201,
0.2639

Harmonies

Analogous

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



49.9780, 0.3048, 0.2531



49.9780, 0.3638, 0.2836



49.9780, 0.4108, 0.3247

Triad

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



49.9780, 0.3638, 0.2836



49.9780, 0.3679, 0.4333



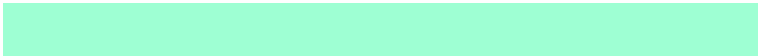
49.9780, 0.2093, 0.2722

Complementary

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



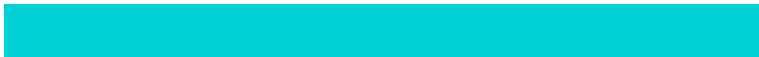
49.9780, 0.3638, 0.2836



83.4612, 0.2806, 0.3801

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.



49.9780, 0.2226, 0.3214



49.9780, 0.3638, 0.2836



49.9780, 0.3120, 0.4243

Square

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



49.9780, 0.3638, 0.2836



49.9780, 0.4112, 0.4100



49.9780, 0.2591, 0.3804



49.9780, 0.2199, 0.2444

Rectangle

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



49.9780, 0.3638, 0.2836



49.9780, 0.4263, 0.3547



49.9780, 0.2591, 0.3804



49.9780, 0.2111, 0.2865

Sweetspot

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



49.9804, 0.3638, 0.2836



82.4426, 0.3239, 0.3165



45.3443, 0.2804, 0.2240



17.2216, 0.3255, 0.3149



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.



49.9804, 0.3638, 0.2836



43.1082, 0.3796, 0.2742



49.3035, 0.4061, 0.3327



18.1241, 0.3223, 0.3183



11.7927, 0.5161, 0.2617



1.1699, 0.4883, 0.2463

Inverse Universe

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



49.9804, 0.3638, 0.2836



43.1082, 0.3796, 0.2742



83.9316, 0.2591, 0.3253



18.1241, 0.3223, 0.3183



11.7927, 0.5161, 0.2617



1.1699, 0.4883, 0.2463

Previews

White Background



This preview shows how the Yxy color 49.9780, 0.3638, 0.2836 looks on a white background.

Color Contrast Check

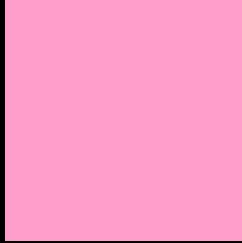
Large Text (above 18pt) WCAG AA × Fail

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 49.9780, 0.3638, 0.2836 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 49.9780, 0.3638, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 49.9780, 0.3638, 0.2836.



This preview shows how white text looks on a background with the Yxy color 49.9780, 0.3638, 0.2836.

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

49.9780, 0.3638, 0.2836

Protanopia

50.2302, 0.2847, 0.2874

Deuteranopia

50.0897, 0.3170, 0.3097



Tritanopia

49.9850, 0.3861, 0.3164

Trichromacy



Original Color

49.9780, 0.3638, 0.2836



Protanomaly

49.4101, 0.3114, 0.2858



Deuteranomaly

49.3828, 0.3335, 0.2991



Tritanomaly

49.8752, 0.3778, 0.3039

Monochromacy



Original Color

49.9780, 0.3638, 0.2836



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.0751, 0.3299, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9780, 0.3638, 0.2836 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.9780, 0.3638, 0.2836 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, 202) }
```

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

```
.border{ border-color:rgb(255, 158, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9780, 0.3638, 0.2836 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, 202) }
```

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

```
.background{ background-color: rgb(255,  
158, 202) }
```

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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