

Converting Colors

$Y_{xy}(49.1041, 0.3653, 0.2820)$

Have a look what the booklet for
Yxy(49.1041, 0.3653, 0.2820)
contains.

Yxy(49.2540, 0.3652, 0.2825)	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(49.2540, 0.3652, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CC9
RGB	255, 156, 201
RGB Percent	100%, 61%, 79%
CMY	0.0000, 0.3882, 0.2117
CMYK	0.00, 0.39, 0.21, 0.00
HSL	333°, 100%, 81%
HSV	333°, 39%, 100%
XYZ	63.6728, 49.2540, 61.4237
YIQ	190.7310, 44.5590, 34.9830

Conversions

Conversions Part 2

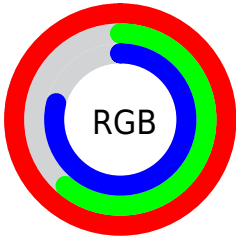
Format	Color
R _Y B	255, 156, 201
Decimal	16751817
CIE Lab	75.61, 42.63, -7.31
CIE LCh	76, 43.252, 350.272
Yxy	49.2540, 0.3652, 0.2825
Android (android.graphics.Color)	4294941897 (0xFFFF9CC9)
YUV	190.7310, 5.0626, 56.3639
Hunter-Lab	70.1812, 39.1293, -2.7647

Details

The Yxy color $49.2540, 0.3652, 0.2825$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $83.2397, 0.2801, 0.3816$, and the grayscale version is $51.8893, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5670, 0.3147, 0.2871$, and $23.5428, 0.3786, 0.2711$ is the 20% darker color. If you saturate the color by 10%, you get $40.9526, 0.3856, 0.2710$, and if you desaturate by 10%, it is $59.4155, 0.3479, 0.2948$.

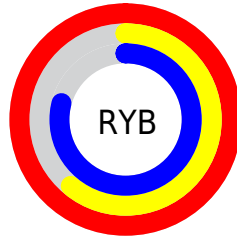
Distribution



Red (100%)

Green (61%)

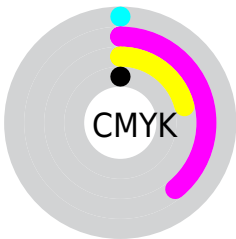
Blue (79%)



Red (100%)

Yellow (61%)

Blue (79%)

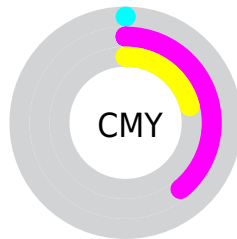


Cyan (0%)

Magenta (39%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2540, 0.3652, 0.2825 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 49.2540, 0.3652, 0.2825 by changing the saturation by 10% instead.


 49.2540, 0.3652,
0.2825


 49.2540, 0.3652,
0.2825


383.7414, 0.3396,
0.3048

 34.8210, 0.3714,
0.2772


 89.0686, 0.3561,
0.2904

 23.5250, 0.3792,
0.2706


 115.2190, 0.3526,
0.2934

 14.9817, 0.3894,
0.2621


146.0439, 0.3496,
0.2960

 8.8065, 0.4033,
0.2507

181.9279, 0.3471,
0.2982

 4.6152, 0.4232,
0.2348

223.2552, 0.3448,
0.3002

 2.0233, 0.4539,
0.2110

270.4103, 0.3429,

 0.6210, 0.5104,

0.3019

0.1665

323.7776, 0.3412,
0.3034

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.2540, 0.3652,
0.2825

49.2540, 0.3652,
0.2825

40.9526, 0.3856,
0.2710

59.4155, 0.3479,
0.2948

34.3894, 0.4090,
0.2611

71.5351, 0.3335,
0.3071

29.4390, 0.4350,
0.2543

85.7121, 0.3215,
0.3190

25.9556, 0.4626,
0.2517

99.9998, 0.3127,
0.3290

■ 23.7669, 0.4904,
0.2545

■ 22.6236, 0.5166,
0.2625

■ 22.5199, 0.5196,
0.2636

Harmonies

Analogous

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



49.2540, 0.3046, 0.2514



49.2540, 0.3652, 0.2825



49.2540, 0.4136, 0.3245

Triad

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



49.2540, 0.3652, 0.2825



49.2540, 0.3691, 0.4361



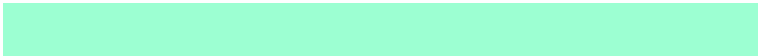
49.2540, 0.2068, 0.2705

Complementary

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



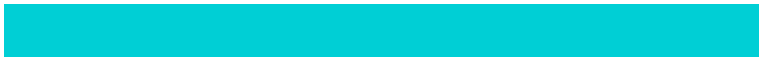
49.2540, 0.3652, 0.2825



83.2397, 0.2801, 0.3816

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.



49.2540, 0.2204, 0.3210



49.2540, 0.3652, 0.2825



49.2540, 0.3118, 0.4271

Square

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



49.2540, 0.3652, 0.2825



49.2540, 0.4136, 0.4119



49.2540, 0.2576, 0.3818



49.2540, 0.2177, 0.2422

Rectangle

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



49.2540, 0.3652, 0.2825



49.2540, 0.4294, 0.3551



49.2540, 0.2576, 0.3818



49.2540, 0.2086, 0.2851

Sweetspot

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



49.2563, 0.3652, 0.2825



80.9782, 0.3251, 0.3153



44.5247, 0.2796, 0.2216



16.9295, 0.3266, 0.3138



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.



49.2563, 0.3652, 0.2825



42.3324, 0.3816, 0.2730



48.5612, 0.4090, 0.3328



18.1245, 0.3222, 0.3182



11.7965, 0.5156, 0.2614



1.1703, 0.4878, 0.2461

Inverse Universe

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



49.2563, 0.3652, 0.2825



42.3324, 0.3816, 0.2730



83.7202, 0.2582, 0.3252



18.1245, 0.3222, 0.3182



11.7965, 0.5156, 0.2614



1.1703, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 49.2540, 0.3652, 0.2825 looks on a white background.

Color Contrast Check

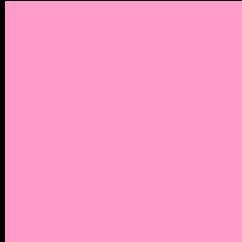
Large Text (above 18pt) WCAG AA × Fail

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 49.2540, 0.3652, 0.2825 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 49.2540, 0.3652, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 49.2540, 0.3652, 0.2825.



This preview shows how white text looks on a background with the Yxy color 49.2540, 0.3652, 0.2825.

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

49.2540, 0.3652, 0.2825

Protanopia

49.5685, 0.2832, 0.2859

Deuteranopia

49.3583, 0.3162, 0.3095



Tritanopia

49.2023, 0.3887, 0.3165

Trichromacy



Original Color

49.2540, 0.3652, 0.2825



Protanomaly

48.3416, 0.3097, 0.2832



Deuteranomaly

48.7979, 0.3336, 0.2989



Tritanomaly

49.0978, 0.3803, 0.3038

Monochromacy



Original Color

49.2540, 0.3652, 0.2825



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.0771, 0.3301, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2540, 0.3652, 0.2825 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, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 201)  
}
```

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, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.2540, 0.3652, 0.2825 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, 156, 201) }
```

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

```
.border{ border-color:rgb(255, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2540, 0.3652, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 201) }
```

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

```
.background{ background-color: rgb(255,  
156, 201) }
```

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