

Converting Colors

$Y_{xy}(52.5432, 0.3672, 0.2973)$

Have a look what the booklet for
Yxy(52.5432, 0.3672, 0.2973)
contains.

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Color

Yxy(52.5637, 0.3668, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6C5
RGB	255, 166, 197
RGB Percent	100%, 65%, 77%
CMY	0.0002, 0.3489, 0.2275
CMYK	0.00, 0.35, 0.23, 0.00
HSL	339°, 100%, 83%
HSV	339°, 35%, 100%
XYZ	64.9389, 52.5637, 59.5391
YIQ	196.1450, 43.0930, 28.5090

Conversions

Conversions Part 2

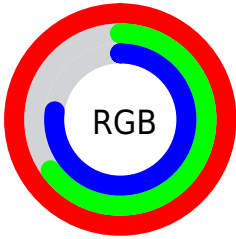
Format	Color
RYB	255, 166, 197
Decimal	16754373
CIELab	77.62, 36.86, -2.14
CIELCh	78, 36.920, 356.678
Yxy	52.5637, 0.3668, 0.2969
Android (android.graphics.Color)	4294944453 (0xFFFFA6C5)
YUV	196.1450, 0.4215, 51.6158
Hunter-Lab	72.5008, 33.0058, 2.0604

Details

The Yxy color **52.5637, 0.3668, 0.2969** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.9794, 0.2782, 0.3641**, and the grayscale version is **55.2731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6583, 0.3149, 0.2979**, and **25.6637, 0.3820, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **43.4751, 0.3902, 0.2877**, and if you desaturate by 10%, it is **63.5785, 0.3473, 0.3065**.

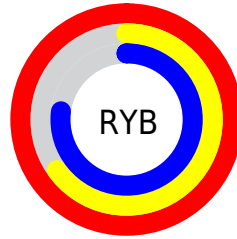
Distribution



Red (100%)

Green (65%)

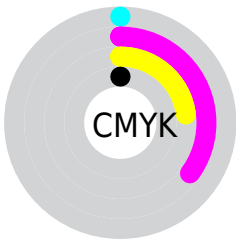
Blue (77%)



Red (100%)

Yellow (65%)

Blue (77%)

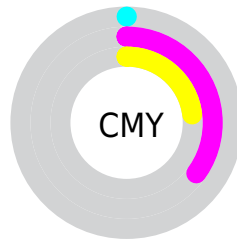


Cyan (0%)

Magenta (35%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5637, 0.3668, 0.2969 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 52.5637, 0.3668, 0.2969 by changing the saturation by 10% instead.


 52.5637, 0.3668,
0.2969


 52.5637, 0.3668,
0.2969

396.6090, 0.3404,
0.3124

 37.4546, 0.3732,
0.2932


 93.9620, 0.3574,
0.3024

 25.5597, 0.3813,
0.2885


 121.0201, 0.3538,
0.3045

 16.4945, 0.3918,
0.2824


152.8299, 0.3507,
0.3063

 9.8748, 0.4062,
0.2741

189.7758, 0.3481,
0.3079

 5.3160, 0.4268,
0.2624

232.2423, 0.3458,
0.3093

 2.4338, 0.4587,
0.2445

280.6137, 0.3438,

 0.8432, 0.5142,

0.3104

0.2139

335.2745, 0.3420,
0.3115

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.5637, 0.3668,
0.2969

52.5637, 0.3668,
0.2969

43.4751, 0.3902,
0.2877

63.5785, 0.3473,
0.3065

36.1934, 0.4177,
0.2798

76.6147, 0.3313,
0.3159

30.5977, 0.4489,
0.2741

91.7703, 0.3182,
0.3248

26.5488, 0.4827,
0.2720

99.9902, 0.3127,
0.3290

■ 23.8850, 0.5170,
0.2746

■ 22.4079, 0.5487,
0.2824

■ 21.9674, 0.5634,
0.2877

Harmonies

Analogous

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



52.5637, 0.3171, 0.2675



52.5637, 0.3668, 0.2969



52.5637, 0.4024, 0.3345

Triad

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



52.5637, 0.3668, 0.2969



52.5637, 0.3512, 0.4190



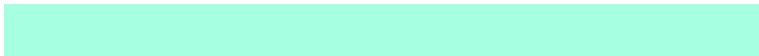
52.5637, 0.2228, 0.2736

Complementary

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



52.5637, 0.3668, 0.2969



84.9794, 0.2782, 0.3641

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.



52.5637, 0.2303, 0.3129



52.5637, 0.3668, 0.2969



52.5637, 0.3023, 0.4038

Square

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



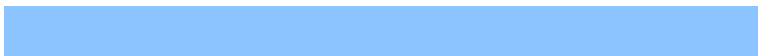
52.5637, 0.3668, 0.2969



52.5637, 0.3916, 0.4055



52.5637, 0.2584, 0.3624



52.5637, 0.2366, 0.2529

Rectangle

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



52.5637, 0.3668, 0.2969



52.5637, 0.4116, 0.3608



52.5637, 0.2584, 0.3624



52.5637, 0.2229, 0.2849

Sweetspot

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



52.5662, 0.3668, 0.2969



83.7710, 0.3246, 0.3203



50.3219, 0.2919, 0.2355



17.4798, 0.3264, 0.3190



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.



52.5662, 0.3668, 0.2969



45.9191, 0.3830, 0.2903



56.3943, 0.3914, 0.3433



18.0915, 0.3239, 0.3208



11.5090, 0.5590, 0.2853



1.1403, 0.5275, 0.2679

Inverse Universe

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



52.5662, 0.3668, 0.2969



45.9191, 0.3830, 0.2903



78.6006, 0.2613, 0.3140



18.0915, 0.3239, 0.3208



11.5090, 0.5590, 0.2853



1.1403, 0.5275, 0.2679

Previews

White Background



This preview shows how the Yxy color 52.5637, 0.3668, 0.2969 looks on a white background.

Color Contrast Check

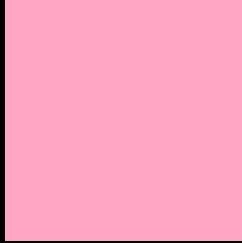
Large Text (above 18pt) WCAG AA × Fail

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 52.5637, 0.3668, 0.2969 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 52.5637, 0.3668, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 52.5637, 0.3668, 0.2969.



This preview shows how white text looks on a background with the Yxy color 52.5637, 0.3668, 0.2969.

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

52.5637, 0.3668, 0.2969

Protanopia

52.9622, 0.2966, 0.3035

Deuteranopia

52.6697, 0.3274, 0.3207



Tritanopia

52.5948, 0.3793, 0.3165

Trichromacy



Original Color

52.5637, 0.3668, 0.2969



Protanomaly

52.2570, 0.3199, 0.3001



Deuteranomaly

52.3040, 0.3413, 0.3120



Tritanomaly

52.6640, 0.3748, 0.3092

Monochromacy



Original Color

52.5637, 0.3668, 0.2969



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.4352, 0.3310, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5637, 0.3668, 0.2969 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, 166, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 197)  
}
```

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, 166, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 197) }
```

Border

The CSS property to change the border of an element to Yxy 52.5637, 0.3668, 0.2969 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, 166, 197) }
```

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

```
.border{ border-color:rgb(255, 166, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5637, 0.3668, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 197) }
```

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

```
.background{ background-color: rgb(255,  
166, 197) }
```

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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