

Converting Colors

$Y_{xy}(70.5688, 0.4288, 0.3033)$

Have a look what the booklet for
Yxy(70.5688, 0.4288, 0.3033)
contains.

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Color

Yxy(52.6560, 0.3650, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6C7
RGB	255, 166, 199
RGB Percent	100%, 65%, 78%
CMY	0.0000, 0.3491, 0.2196
CMYK	0.00, 0.35, 0.22, 0.00
HSL	338°, 100%, 83%
HSV	338°, 35%, 100%
XYZ	65.1948, 52.6560, 60.7652
YIQ	196.3730, 42.4510, 29.1310

Conversions

Conversions Part 2

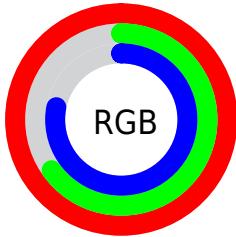
Format	Color
R _Y B	255, 166, 199
Decimal	16754375
CIE Lab	77.67, 37.20, -3.16
CIE LCh	78, 37.333, 355.144
Yxy	52.6560, 0.3650, 0.2948
Android (android.graphics.Color)	4294944455 (0xFFFFA6C7)
YUV	196.3730, 1.2951, 51.4159
Hunter-Lab	72.5645, 33.3838, 1.1459

Details

The Yxy color $52.6560, 0.3650, 0.2948$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $84.8985, 0.2792, 0.3665$, and the grayscale version is $55.4058, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $25.7249, 0.3794, 0.2867$ is the 20% darker color. If you saturate the color by 10%, you get $43.5768, 0.3874, 0.2850$, and if you desaturate by 10%, it is $63.6437, 0.3462, 0.3050$.

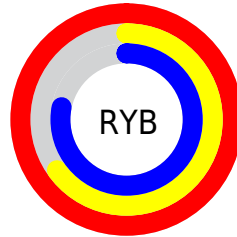
Distribution



Red (100%)

Green (65%)

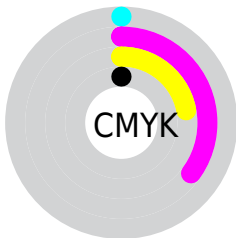
Blue (78%)



Red (100%)

Yellow (65%)

Blue (78%)

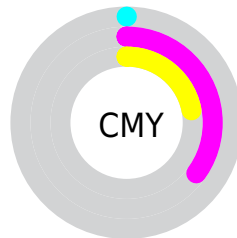


Cyan (0%)

Magenta (35%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6560, 0.3650, 0.2948 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 52.6560, 0.3650, 0.2948 by changing the saturation by 10% instead.


 52.6560, 0.3650,
0.2948


 52.6560, 0.3650,
0.2948


396.9639, 0.3396,
0.3113

 37.5282, 0.3711,
0.2909


 94.0980, 0.3559,
0.3006

 25.6167, 0.3789,
0.2859


 121.1810, 0.3525,
0.3029

 16.5371, 0.3890,
0.2795


153.0178, 0.3495,
0.3048

 9.9050, 0.4028,
0.2709

189.9930, 0.3470,
0.3064

 5.3360, 0.4225,
0.2588

232.4907, 0.3448,
0.3079

 2.4457, 0.4529,
0.2403

280.8956, 0.3428,

 0.8493, 0.5056,

0.3091

0.2092

335.5918, 0.3411,
0.3103

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.6560, 0.3650,
0.2948

■ 52.6560, 0.3650,
0.2948

■ 43.5768, 0.3874,
0.2850

■ 63.6437, 0.3462,
0.3050

■ 36.3062, 0.4138,
0.2765

■ 76.6542, 0.3307,
0.3150

■ 30.7170, 0.4437,
0.2703

■ 91.7787, 0.3181,
0.3245

■ 26.6705, 0.4762,
0.2677

100.0000, 0.3127,
0.3290

■ 24.0050, 0.5091,
0.2700

■ 22.5222, 0.5400,
0.2775

■ 22.0789, 0.5544,
0.2828

Harmonies

Analogous

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



52.6560, 0.3145, 0.2657



52.6560, 0.3650, 0.2948



52.6560, 0.4021, 0.3324

Triad

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



52.6560, 0.3650, 0.2948



52.6560, 0.3539, 0.4200



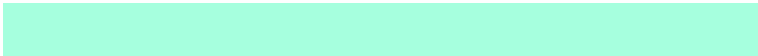
52.6560, 0.2218, 0.2746

Complementary

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



52.6560, 0.3650, 0.2948



84.8985, 0.2792, 0.3665

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.



52.6560, 0.2304, 0.3151



52.6560, 0.3650, 0.2948



52.6560, 0.3047, 0.4062

Square

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



52.6560, 0.3650, 0.2948



52.6560, 0.3940, 0.4050



52.6560, 0.2598, 0.3653



52.6560, 0.2347, 0.2528

Rectangle

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



52.6560, 0.3650, 0.2948



52.6560, 0.4125, 0.3590



52.6560, 0.2598, 0.3653



52.6560, 0.2223, 0.2863

Sweetspot

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



52.6521, 0.3650, 0.2948



83.8053, 0.3242, 0.3197



49.8413, 0.2895, 0.2348



17.4881, 0.3260, 0.3184



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.



52.6521, 0.3650, 0.2948



46.0234, 0.3805, 0.2878



55.2098, 0.3926, 0.3402



18.0985, 0.3236, 0.3202



11.5631, 0.5501, 0.2804



1.1461, 0.5191, 0.2633

Previews

White Background



This preview shows how the Yxy color 52.6560, 0.3650, 0.2948 looks on a white background.

Color Contrast Check

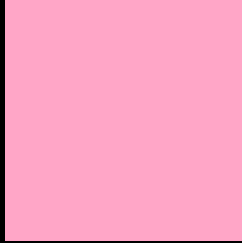
Large Text (above 18pt) WCAG AA × Fail

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 52.6560, 0.3650, 0.2948 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 52.6560, 0.3650, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 52.6560, 0.3650, 0.2948.



This preview shows how white text looks on a background with the Yxy color 52.6560, 0.3650, 0.2948.

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

52.6560, 0.3650, 0.2948

Protanopia

52.9355, 0.2944, 0.3011

Deuteranopia

52.6133, 0.3249, 0.3183



Tritanopia

52.6360, 0.3784, 0.3154

Trichromacy



Original Color

52.6560, 0.3650, 0.2948



Protanomaly

52.2055, 0.3175, 0.2977



Deuteranomaly

52.3945, 0.3396, 0.3097



Tritanomaly

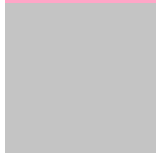
52.7069, 0.3739, 0.3082

Monochromacy



Original Color

52.6560, 0.3650, 0.2948



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.4809, 0.3302, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6560, 0.3650, 0.2948 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 199) }
```

Border

The CSS property to change the border of an element to Yxy 52.6560, 0.3650, 0.2948 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, 199) }
```

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

```
.border{ border-color:rgb(255, 166, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6560, 0.3650, 0.2948 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
166, 199) }
```

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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