

Converting Colors

$Y_{xy}(53.1220, 0.3667, 0.2895)$

Have a look what the booklet for
Yxy(53.1220, 0.3667, 0.2895)
contains.

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Color

Yxy(52.1227, 0.3617, 0.2887)

Conversions

Conversions Part 1

Format	Color
Hex	FFA4CB
RGB	255, 164, 203
RGB Percent	100%, 64%, 80%
CMY	0.0000, 0.3569, 0.2039
CMYK	0.00, 0.36, 0.20, 0.00
HSL	334°, 100%, 82%
HSV	334°, 36%, 100%
XYZ	65.3023, 52.1227, 63.1178
YIQ	195.6550, 41.7170, 31.4210

Conversions

Conversions Part 2

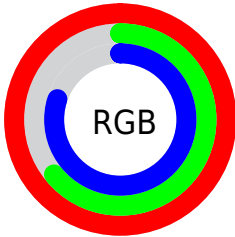
Format	Color
R _Y B	255, 164, 203
Decimal	16753867
CIE Lab	77.35, 38.81, -5.81
CIE LCh	77, 39.241, 351.492
Yxy	52.1227, 0.3617, 0.2887
Android (android.graphics.Color)	4294943947 (0xFFFFA4CB)
YUV	195.6550, 3.6211, 52.0456
Hunter-Lab	72.1961, 35.1126, -1.2973

Details

The Yxy color **52.1227, 0.3617, 0.2887** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.3691, 0.2811, 0.3738**, and the grayscale version is **54.9398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **25.4091, 0.3748, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **43.2278, 0.3821, 0.2775**, and if you desaturate by 10%, it is **62.9066, 0.3445, 0.3004**.

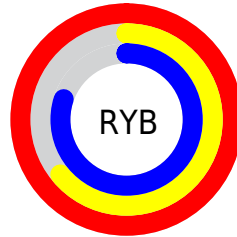
Distribution



Red (100%)

Green (64%)

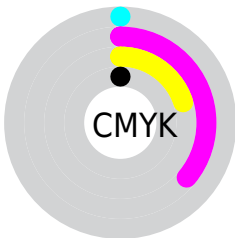
Blue (80%)



Red (100%)

Yellow (64%)

Blue (80%)

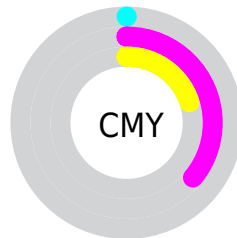


Cyan (0%)

Magenta (36%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1227, 0.3617, 0.2887 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 52.1227, 0.3617, 0.2887 by changing the saturation by 10% instead.


 52.1227, 0.3617,
0.2887


 52.1227, 0.3617,
0.2887


394.9101, 0.3380,
0.3079

 37.1029, 0.3674,
0.2842


 93.3122, 0.3532,
0.2955

 25.2872, 0.3746,
0.2785


 120.2506, 0.3500,
0.2981

 16.2911, 0.3840,
0.2712


151.9307, 0.3473,
0.3003

 9.7304, 0.3966,
0.2614

188.7369, 0.3449,
0.3023

 5.2206, 0.4147,
0.2477

231.0535, 0.3428,
0.3039

 2.3773, 0.4425,
0.2273

279.2650, 0.3410,

 0.8141, 0.4903,

0.3054

0.1935

333.7557, 0.3394,
0.3068

■ 0.0000, 0.8850,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.1227, 0.3617,
0.2887

■ 52.1227, 0.3617,
0.2887

■ 43.2278, 0.3821,
0.2775

■ 62.9066, 0.3445,
0.3004

■ 36.1189, 0.4059,
0.2677

■ 75.6909, 0.3302,
0.3119

■ 30.6696, 0.4327,
0.2603

■ 90.5677, 0.3184,
0.3230

■ 26.7400, 0.4616,
0.2569

100.0000, 0.3127,
0.3290

■ 24.1674, 0.4911,
0.2585

■ 22.7503, 0.5192,
0.2655

■ 22.3705, 0.5307,
0.2697

Harmonies

Analogous

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



52.1227, 0.3079, 0.2598



52.1227, 0.3617, 0.2887



52.1227, 0.4036, 0.3273

Triad

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



52.1227, 0.3617, 0.2887



52.1227, 0.3618, 0.4246



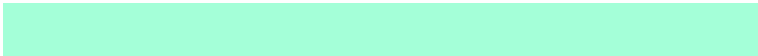
52.1227, 0.2172, 0.2758

Complementary

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



52.1227, 0.3617, 0.2887



84.3691, 0.2811, 0.3738

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.



52.1227, 0.2289, 0.3203



52.1227, 0.3617, 0.2887



52.1227, 0.3104, 0.4143

Square

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



52.1227, 0.3617, 0.2887



52.1227, 0.4020, 0.4052



52.1227, 0.2620, 0.3736



52.1227, 0.2280, 0.2505

Rectangle

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



52.1227, 0.3617, 0.2887



52.1227, 0.4170, 0.3551



52.1227, 0.2620, 0.3736



52.1227, 0.2186, 0.2887

Sweetspot

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



52.1198, 0.3617, 0.2887



82.4012, 0.3244, 0.3172



48.3005, 0.2853, 0.2315



17.2117, 0.3260, 0.3157



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.



52.1198, 0.3617, 0.2887



45.4391, 0.3763, 0.2804



52.7117, 0.3969, 0.3356



18.1163, 0.3227, 0.3189



11.7176, 0.5266, 0.2675



1.1623, 0.4976, 0.2515

Inverse Universe

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



52.1198, 0.3617, 0.2887



45.4391, 0.3763, 0.2804



82.8215, 0.2614, 0.3222



18.1163, 0.3227, 0.3189



11.7176, 0.5266, 0.2675



1.1623, 0.4976, 0.2515

Previews

White Background



This preview shows how the Yxy color 52.1227, 0.3617, 0.2887 looks on a white background.

Color Contrast Check

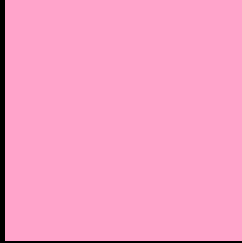
Large Text (above 18pt) WCAG AA × Fail

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 52.1227, 0.3617, 0.2887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

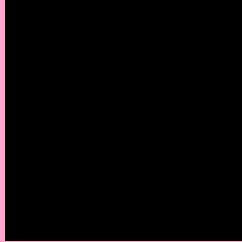
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1227, 0.3617, 0.2887

Background



This preview shows how black text looks on a background with the Yxy color 52.1227, 0.3617, 0.2887.



This preview shows how white text looks on a background with the Yxy color 52.1227, 0.3617, 0.2887.

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

52.1227, 0.3617, 0.2887

Protanopia

52.5062, 0.2894, 0.2939

Deuteranopia

52.5067, 0.3201, 0.3136



Tritanopia

52.2241, 0.3796, 0.3154

Trichromacy



Original Color

52.1227, 0.3617, 0.2887



Protanomaly

51.8489, 0.3136, 0.2920



Deuteranomaly

51.8582, 0.3346, 0.3040



Tritanomaly

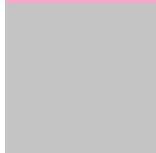
52.3824, 0.3732, 0.3061

Monochromacy



Original Color

52.1227, 0.3617, 0.2887



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.1562, 0.3287, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1227, 0.3617, 0.2887 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, 164, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 203)  
}
```

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, 164, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 203) }
```

Border

The CSS property to change the border of an element to Yxy 52.1227, 0.3617, 0.2887 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, 164, 203) }
```

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

```
.border{ border-color:rgb(255, 164, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1227, 0.3617, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 203) }
```

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

```
.background{ background-color: rgb(255,  
164, 203) }
```

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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