

Converting Colors

Yxy(51.8467, 0.3617, 0.2877)

Have a look what the booklet for
Yxy(51.8467, 0.3617, 0.2877)
contains.

Yxy(51.7662, 0.3619, 0.2877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7662, 0.3619, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	FFA3CB
RGB	255, 163, 203
RGB Percent	100%, 64%, 80%
CMY	0.0000, 0.3608, 0.2040
CMYK	0.00, 0.36, 0.20, 0.00
HSL	334°, 100%, 82%
HSV	334°, 36%, 100%
XYZ	65.1171, 51.7662, 63.0479
YIQ	195.0680, 41.9920, 31.9440

Conversions

Conversions Part 2

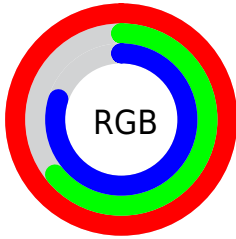
Format	Color
R _Y B	255, 163, 203
Decimal	16753611
CIE Lab	77.14, 39.31, -6.11
CIE LCh	77, 39.783, 351.163
Yxy	51.7662, 0.3619, 0.2877
Android (android.graphics.Color)	4294943691 (0xFFFFA3CB)
YUV	195.0680, 3.9105, 52.5604
Hunter-Lab	71.9487, 35.6409, -1.5911

Details

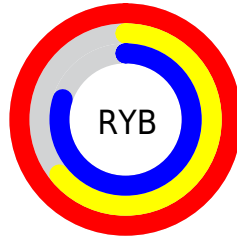
The Yxy color **51.7662, 0.3619, 0.2877** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.2145, 0.2811, 0.3750**, and the grayscale version is **54.5729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **25.1921, 0.3751, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **42.9503, 0.3822, 0.2764**, and if you desaturate by 10%, it is **62.4731, 0.3448, 0.2995**.

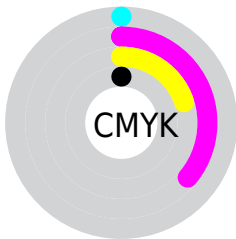
Distribution



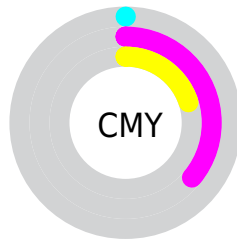
- Red (100%)
- Green (64%)
- Blue (80%)



- 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 51.7662, 0.3619, 0.2877 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 51.7662, 0.3619, 0.2877 by changing the saturation by 10% instead.

 51.7662, 0.3619,
0.2877

 51.7662, 0.3619,
0.2877


393.5333, 0.3380,
0.3074

 36.8187, 0.3676,
0.2831


 92.7863, 0.3534,
0.2947

 25.0672, 0.3749,
0.2772


 119.6278, 0.3502,
0.2973

 16.1271, 0.3843,
0.2697


151.2028, 0.3474,
0.2996

 9.6142, 0.3970,
0.2597

187.8956, 0.3450,
0.3016

 5.1439, 0.4152,
0.2457

230.0907, 0.3429,
0.3033

 2.3319, 0.4431,
0.2248

278.1724, 0.3411,

 0.7905, 0.4914,

0.3048

0.1900

332.5251, 0.3395,
0.3062

0.0000, 0.8885,
0.0000

0.0000, 0.0000,
0.0000

51.7662, 0.3619,
0.2877

51.7662, 0.3619,
0.2877

42.9503, 0.3822,
0.2764

62.4731, 0.3448,
0.2995

35.9110, 0.4058,
0.2665

75.1714, 0.3305,
0.3113

30.5249, 0.4324,
0.2591

89.9574, 0.3188,
0.3225

26.6518, 0.4610,
0.2557

100.0000, 0.3127,
0.3290

■ 24.1276, 0.4901,
0.2574

■ 22.7491, 0.5178,
0.2646

■ 22.4036, 0.5282,
0.2683

Harmonies

Analogous

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



51.7662, 0.3072, 0.2586



51.7662, 0.3619, 0.2877



51.7662, 0.4048, 0.3267

Triad

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



51.7662, 0.3619, 0.2877



51.7662, 0.3630, 0.4260



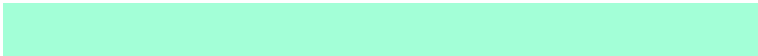
51.7662, 0.2158, 0.2753

Complementary

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



51.7662, 0.3619, 0.2877



84.2145, 0.2811, 0.3750

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.



51.7662, 0.2279, 0.3207



51.7662, 0.3619, 0.2877



51.7662, 0.3108, 0.4161

Square

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



51.7662, 0.3619, 0.2877



51.7662, 0.4037, 0.4059



51.7662, 0.2616, 0.3750



51.7662, 0.2265, 0.2495

Rectangle

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



51.7662, 0.3619, 0.2877



51.7662, 0.4186, 0.3549



51.7662, 0.2616, 0.3750



51.7662, 0.2173, 0.2885

Sweetspot

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



51.7670, 0.3619, 0.2877



82.4111, 0.3243, 0.3170



47.6524, 0.2837, 0.2301



17.2141, 0.3259, 0.3155



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.



51.7670, 0.3619, 0.2877



45.4682, 0.3756, 0.2798



51.7639, 0.3988, 0.3341



18.1182, 0.3226, 0.3187



11.7350, 0.5241, 0.2661



1.1641, 0.4954, 0.2502

Inverse Universe

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



51.7670, 0.3619, 0.2877



45.4682, 0.3756, 0.2798



83.6272, 0.2612, 0.3238



18.1182, 0.3226, 0.3187



11.7350, 0.5241, 0.2661



1.1641, 0.4954, 0.2502

Previews

White Background



This preview shows how the Yxy color 51.7662, 0.3619, 0.2877 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 51.7662, 0.3619, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

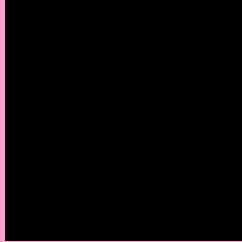
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7662, 0.3619, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 51.7662, 0.3619, 0.2877.



This preview shows how white text looks on a background with the Yxy color 51.7662, 0.3619, 0.2877.

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

51.7662, 0.3619, 0.2877

Protanopia

52.0016, 0.2879, 0.2915

Deuteranopia

51.9433, 0.3193, 0.3123



Tritanopia

51.6282, 0.3800, 0.3154

Trichromacy



Original Color

51.7662, 0.3619, 0.2877



Protanomaly

51.3464, 0.3121, 0.2896



Deuteranomaly

51.4617, 0.3348, 0.3028



Tritanomaly

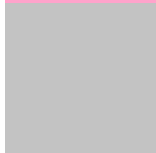
51.7859, 0.3735, 0.3060

Monochromacy



Original Color

51.7662, 0.3619, 0.2877



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.6959, 0.3296, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7662, 0.3619, 0.2877 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, 163, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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, 163, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 203) }
```

Border

The CSS property to change the border of an element to Yxy 51.7662, 0.3619, 0.2877 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, 163, 203) }
```

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

```
.border{ border-color:rgb(255, 163, 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, 163, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7662, 0.3619, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 203) }
```

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

```
.background{ background-color: rgb(255,  
163, 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](#).

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