

# Converting Colors

Yxy(51.8615, 0.3414, 0.2622)

Have a look what the booklet for  
Yxy(51.8615, 0.3414, 0.2622)  
contains.

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# Color

**Yxy(51.8926, 0.3414, 0.2623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA0E2
RGB	255, 160, 226
RGB Percent	100%, 63%, 89%
CMY	0.0000, 0.3726, 0.1138
CMYK	0.00, 0.37, 0.11, 0.00
HSL	318°, 100%, 81%
HSV	318°, 37%, 100%
XYZ	67.5415, 51.8926, 78.4027
YIQ	195.9290, 35.4340, 40.6660

# Conversions

## Conversions Part 2

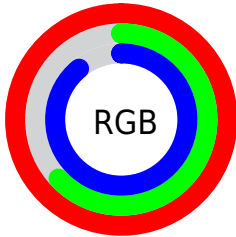
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 160, 226
Decimal	16752866
CIE <sub>Lab</sub>	77.22, 44.39, -18.54
CIE <sub>LCh</sub>	77, 48.106, 337.327
Yxy	51.8926, 0.3414, 0.2623
Android (android.graphics.Color)	4294942946 (0xFFFFA0E2)
YUV	195.9290, 14.8250, 51.8053
Hunter-Lab	72.0365, 41.2978, -14.1042

# Details

The Yxy color **51.8926, 0.3414, 0.2623** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.6679, 0.2927, 0.4071**, and the grayscale version is **55.0492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **25.1187, 0.3478, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **43.5214, 0.3520, 0.2450**, and if you desaturate by 10%, it is **62.0950, 0.3320, 0.2805**.

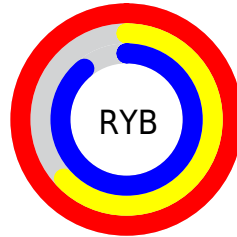
# Distribution



Red (100%)

Green (63%)

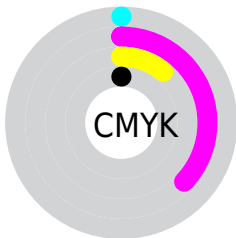
Blue (89%)



Red (100%)

Yellow (63%)

Blue (89%)

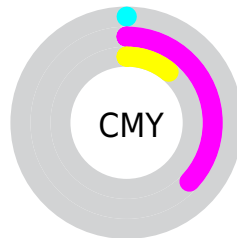


Cyan (0%)

Magenta (37%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8926, 0.3414, 0.2623 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 51.8926, 0.3414, 0.2623 by changing the saturation by 10% instead.




 51.8926, 0.3414,  
0.2623

 51.8926, 0.3414,  
0.2623


394.0218, 0.3282,  
0.2931

 36.9195, 0.3444,  
0.2553


 92.9728, 0.3369,  
0.2729

 25.1451, 0.3480,  
0.2467


 119.8487, 0.3351,  
0.2771

 16.1852, 0.3526,  
0.2359


151.4610, 0.3336,  
0.2807

 9.6553, 0.3585,  
0.2219

188.1940, 0.3322,  
0.2838

 5.1710, 0.3664,  
0.2030

230.4323, 0.3310,  
0.2865

 2.3480, 0.3774,  
0.1766

278.5600, 0.3300,

 0.7989, 0.3935,

0.2890

0.1371

332.9618, 0.3291,  
0.2911

0.0000, 0.4514,  
0.0000

0.0000, 0.0000,  
0.0000

51.8926, 0.3414,  
0.2623

51.8926, 0.3414,  
0.2623

43.5214, 0.3520,  
0.2450

62.0950, 0.3320,  
0.2805

36.8713, 0.3637,  
0.2297

74.2329, 0.3240,  
0.2988

31.8177, 0.3763,  
0.2173

88.4003, 0.3171,  
0.3166

28.2194, 0.3895,  
0.2090

100.0000, 0.3127,  
0.3290

■ 25.9107, 0.4026,  
0.2056

■ 24.6779, 0.4154,  
0.2072

■ 24.4400, 0.4189,  
0.2081

# Harmonies

## Analogous

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



51.8926, 0.2767, 0.2359



51.8926, 0.3414, 0.2623



51.8926, 0.4033, 0.3031

# Triad

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



51.8926, 0.3414, 0.2623



51.8926, 0.3970, 0.4374



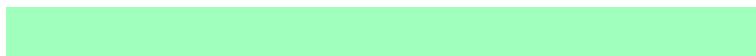
51.8926, 0.2012, 0.2857

# Complementary

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



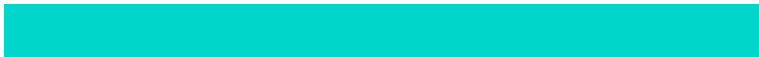
51.8926, 0.3414, 0.2623



82.6679, 0.2927, 0.4071

# 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.



51.8926, 0.2267, 0.3486



51.8926, 0.3414, 0.2623



51.8926, 0.3385, 0.4465

# Square

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



51.8926, 0.3414, 0.2623



51.8926, 0.4351, 0.3998



51.8926, 0.2761, 0.4128



51.8926, 0.2018, 0.2446



# Rectangle

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



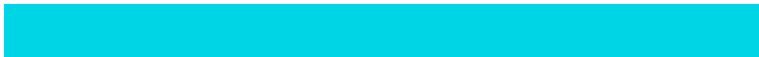
51.8926, 0.3414, 0.2623



51.8926, 0.4311, 0.3349



51.8926, 0.2761, 0.4128



51.8926, 0.2068, 0.3048

# Sweetspot

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



51.8920, 0.3414, 0.2623



82.8514, 0.3195, 0.3100



43.1163, 0.2643, 0.2213



17.3191, 0.3204, 0.3076



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.



51.8920, 0.3414, 0.2623



45.2547, 0.3495, 0.2488



49.6560, 0.3858, 0.3092



18.2004, 0.3185, 0.3126



12.7983, 0.4169, 0.2070



1.2656, 0.4032, 0.1995



# Inverse Universe

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



51.8920, 0.3414, 0.2623



45.2547, 0.3495, 0.2488



85.0496, 0.2694, 0.3503



18.2004, 0.3185, 0.3126



12.7983, 0.4169, 0.2070

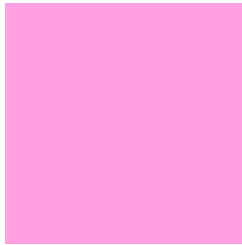


1.2656, 0.4032, 0.1995



# Previews

## White Background



This preview shows how the Yxy color 51.8926, 0.3414, 0.2623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

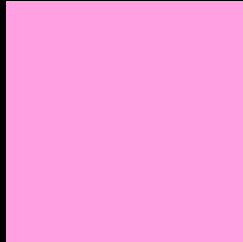
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.8926, 0.3414, 0.2623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

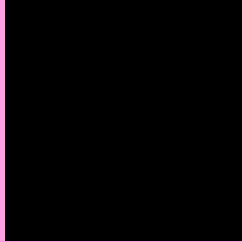
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.8926, 0.3414, 0.2623**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8926, 0.3414, 0.2623.



This preview shows how white text looks on a background with the Yxy color 51.8926, 0.3414, 0.2623.

# 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

51.8926, 0.3414, 0.2623

### Protanopia

52.2791, 0.2643, 0.2620

### Deuteranopia

51.9404, 0.2940, 0.2875



## Tritanopia

52.0361, 0.3767, 0.3164

# Trichromacy



## Original Color

51.8926, 0.3414, 0.2623



## Protanomaly

51.0519, 0.2888, 0.2601



## Deuteranomaly

51.5237, 0.3102, 0.2772



## Tritanomaly

51.9991, 0.3642, 0.2965

# Monochromacy



## Original Color

51.8926, 0.3414, 0.2623



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.1237, 0.3224, 0.3015

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8926, 0.3414, 0.2623 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, 160, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 226)  
}
```

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, 160, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8926, 0.3414, 0.2623 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, 160, 226) }
```

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

```
.border{ border-color:rgb(255, 160, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8926, 0.3414, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 226) }
```

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

```
.background{ background-color: rgb(255,  
160, 226) }
```

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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