

# Converting Colors

$Y_{xy}(60.5593, 0.3624, 0.2610)$

Have a look what the booklet for  
Yxy(60.5593, 0.3624, 0.2610)  
contains.

<b>Yxy(52.8642, 0.3317, 0.2532)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.8642, 0.3317, 0.2532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA1ED
RGB	255, 161, 237
RGB Percent	100%, 63%, 93%
CMY	0.0002, 0.3685, 0.0706
CMYK	0.00, 0.37, 0.07, 0.00
HSL	311°, 100%, 82%
HSV	311°, 37%, 100%
XYZ	69.2538, 52.8642, 86.6664
YIQ	197.7700, 31.6280, 43.5640

# Conversions

## Conversions Part 2

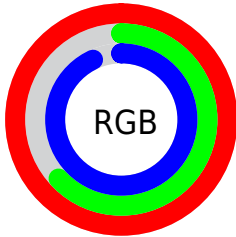
Format	Color
R <sub>Y</sub> B	255, 161, 237
Decimal	16753133
CIE Lab	77.79, 45.64, -23.64
CIE LCh	78, 51.393, 332.620
Yxy	52.8642, 0.3317, 0.2532
Android (android.graphics.Color)	4294943213 (0xFFFA1ED)
YUV	197.7700, 19.3404, 50.1907
Hunter-Lab	72.7078, 42.7817, -19.7772

# Details

The Yxy color **52.8642, 0.3317, 0.2532** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.3191, 0.2984, 0.4193**, and the grayscale version is **56.1936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **25.7219, 0.3357, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **44.5625, 0.3384, 0.2336**, and if you desaturate by 10%, it is **62.9950, 0.3256, 0.2739**.

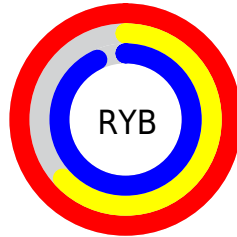
# Distribution



Red (100%)

Green (63%)

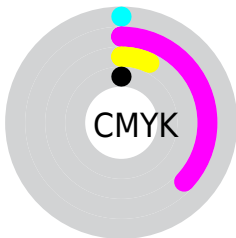
Blue (93%)



Red (100%)

Yellow (63%)

Blue (93%)

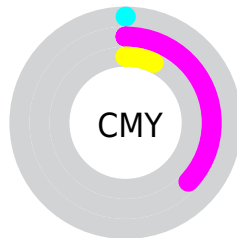


Cyan (0%)

Magenta (37%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8642, 0.3317, 0.2532 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 52.8642, 0.3317, 0.2532 by changing the saturation by 10% instead.




 52.8642, 0.3317,  
0.2532

 52.8642, 0.3317,  
0.2532


397.7639, 0.3235,  
0.2877

 37.6944, 0.3334,  
0.2455


 94.4045, 0.3290,  
0.2651

 25.7456, 0.3354,  
0.2360


 121.5438, 0.3279,  
0.2697

 16.6334, 0.3379,  
0.2243

153.4417, 0.3269,  
0.2737

 9.9735, 0.3408,  
0.2092

190.4825, 0.3261,  
0.2772

 5.3814, 0.3444,  
0.1892

233.0508, 0.3253,  
0.2803

 2.4727, 0.3485,  
0.1619

281.5308, 0.3247,

 0.8629, 0.3527,

0.2831

0.1230

336.3071, 0.3241,  
0.2855

0.0000, 0.3782,  
0.0000

0.0000, 0.0000,  
0.0000

52.8642, 0.3317,  
0.2532

52.8642, 0.3317,  
0.2532

44.5625, 0.3384,  
0.2336

62.9950, 0.3256,  
0.2739

37.9715, 0.3456,  
0.2162

75.0495, 0.3203,  
0.2948

32.9703, 0.3531,  
0.2019

89.1242, 0.3156,  
0.3154

29.4190, 0.3607,  
0.1916

99.9892, 0.3127,  
0.3290

■ 27.1535, 0.3681,  
0.1860

■ 25.9660, 0.3751,  
0.1850

■ 25.7153, 0.3773,  
0.1852

# Harmonies

## Analogous

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



52.8642, 0.2649, 0.2284



52.8642, 0.3317, 0.2532



52.8642, 0.3998, 0.2939

# Triad

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



52.8642, 0.3317, 0.2532



52.8642, 0.4096, 0.4386



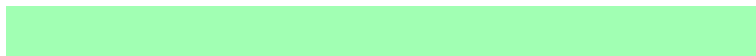
52.8642, 0.1975, 0.2918

# Complementary

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



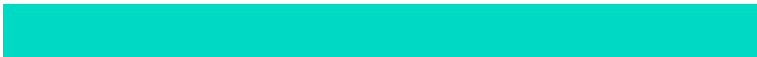
52.8642, 0.3317, 0.2532



82.3191, 0.2984, 0.4193

# 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.



52.8642, 0.2284, 0.3611



52.8642, 0.3317, 0.2532



52.8642, 0.3498, 0.4554

# Square

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



52.8642, 0.3317, 0.2532



52.8642, 0.4455, 0.3953



52.8642, 0.2834, 0.4271



52.8642, 0.1940, 0.2446



# Rectangle

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



52.8642, 0.3317, 0.2532



52.8642, 0.4330, 0.3266



52.8642, 0.2834, 0.4271



52.8642, 0.2047, 0.3132

# Sweetspot

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



52.8666, 0.3317, 0.2532



83.0502, 0.3174, 0.3069



42.2151, 0.2569, 0.2204



17.3667, 0.3181, 0.3041



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.



52.8666, 0.3317, 0.2532



46.7596, 0.3364, 0.2390



50.5044, 0.3739, 0.2981



18.2373, 0.3167, 0.3100



13.4648, 0.3762, 0.1846



1.3256, 0.3687, 0.1805



# Inverse Universe

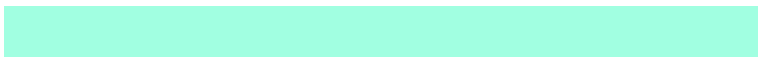
The Inverse Universe completely reimagines the original color for something new.



52.8666, 0.3317, 0.2532



46.7596, 0.3364, 0.2390



84.5123, 0.2751, 0.3629



18.2373, 0.3167, 0.3100



13.4648, 0.3762, 0.1846



1.3256, 0.3687, 0.1805



# Previews

## White Background



This preview shows how the Yxy color 52.8642, 0.3317, 0.2532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

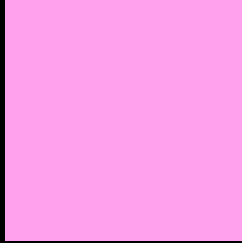
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8642, 0.3317, 0.2532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

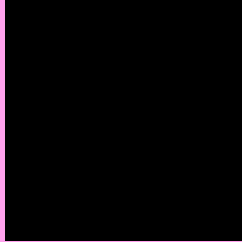
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8642, 0.3317, 0.2532**

## Background



This preview shows how black text looks on a background with the Yxy color 52.8642, 0.3317, 0.2532.

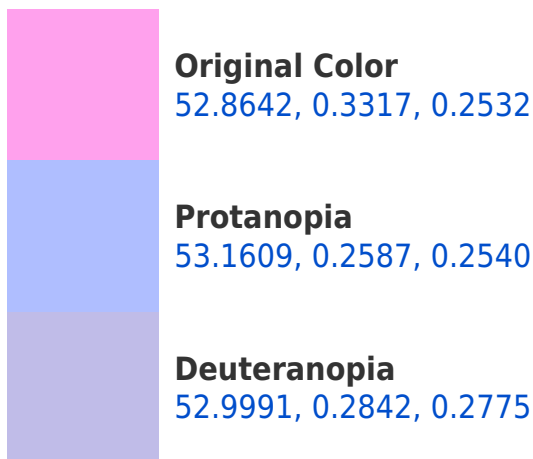


This preview shows how white text looks on a background with the Yxy color 52.8642, 0.3317, 0.2532.

# 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





## Tritanopia

52.5430, 0.3715, 0.3152

# Trichromacy



## Original Color

52.8642, 0.3317, 0.2532



## Protanomaly

51.8549, 0.2820, 0.2522



## Deuteranomaly

52.2284, 0.3002, 0.2667



## Tritanomaly

52.4585, 0.3575, 0.2913

# Monochromacy



## Original Color

52.8642, 0.3317, 0.2532



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.5115, 0.3199, 0.2984

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8642, 0.3317, 0.2532 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, 161, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 237)  
}
```

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, 161, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8642, 0.3317, 0.2532 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, 161, 237) }
```

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

```
.border{ border-color:rgb(255, 161, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 161, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 161, 237); box-shadow:4px 4px 4px 4px rgb(255, 161, 237) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8642, 0.3317, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 237) }
```

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

```
.background{ background-color: rgb(255,  
161, 237) }
```

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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