

# Converting Colors

$Y_{xy}(53.5704, 0.3617, 0.2711)$

Have a look what the booklet for  
Yxy(53.5704, 0.3617, 0.2711)  
contains.

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# Color

**Yxy(50.7757, 0.3488, 0.2679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9EDA
RGB	255, 158, 218
RGB Percent	100%, 62%, 85%
CMY	0.0002, 0.3803, 0.1451
CMYK	0.00, 0.38, 0.14, 0.00
HSL	323°, 100%, 81%
HSV	323°, 38%, 100%
XYZ	66.1089, 50.7757, 72.6477
YIQ	193.8430, 38.5520, 39.2240

# Conversions

## Conversions Part 2

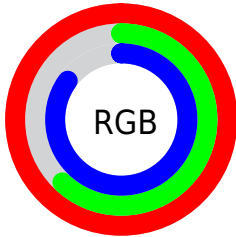
Format	Color
R <sub>YB</sub>	255, 158, 218
Decimal	16752346
CIE Lab	76.54, 44.11, -15.21
CIE LCh	77, 46.662, 340.981
Yxy	50.7757, 0.3488, 0.2679
Android (android.graphics.Color)	4294942426 (0xFFFF9EDA)
YUV	193.8430, 11.9094, 53.6347
Hunter-Lab	71.2571, 40.9038, -10.5672

# Details

The Yxy color **50.7757, 0.3488, 0.2679** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.7016, 0.2886, 0.3998**, and the grayscale version is **53.7648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.4153, 0.3583, 0.2529** is the 20% darker color. If you saturate the color by 10%, you get **42.4678, 0.3623, 0.2524**, and if you desaturate by 10%, it is **60.9223, 0.3370, 0.2843**.

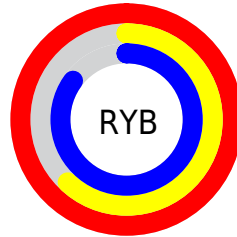
# Distribution



Red (100%)

Green (62%)

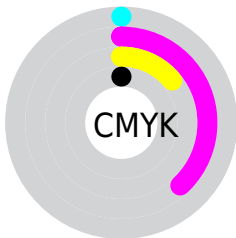
Blue (85%)



Red (100%)

Yellow (62%)

Blue (85%)

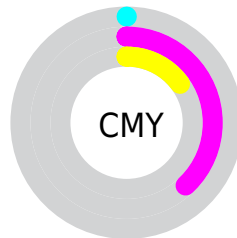


Cyan (0%)

Magenta (38%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7757, 0.3488, 0.2679 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 50.7757, 0.3488, 0.2679 by changing the saturation by 10% instead.





 50.7757, 0.3488,  
0.2679


 50.7757, 0.3488,  
0.2679


389.6917, 0.3318,  
0.2964

 36.0301, 0.3527,  
0.2614


 91.3231, 0.3428,  
0.2778

 24.4575, 0.3577,  
0.2533


 117.8938, 0.3405,  
0.2817

 15.6733, 0.3639,  
0.2430


149.1749, 0.3386,  
0.2850

 9.2933, 0.3722,  
0.2296

185.5509, 0.3369,  
0.2879

 4.9330, 0.3836,  
0.2114

227.4062, 0.3354,  
0.2904

 2.2080, 0.4002,  
0.1854

275.1252, 0.3340,

 0.7243, 0.4271,

0.2926

0.1443

329.0922, 0.3329,  
0.2946

0.0000, 0.5245,  
0.0000

0.0000, 0.0000,  
0.0000

50.7757, 0.3488,  
0.2679

50.7757, 0.3488,  
0.2679

42.4678, 0.3623,  
0.2524

60.9223, 0.3370,  
0.2843

35.8785, 0.3775,  
0.2387

73.0037, 0.3270,  
0.3007

30.8849, 0.3940,  
0.2280

87.1178, 0.3185,  
0.3167

27.3441, 0.4114,  
0.2215

99.9910, 0.3127,  
0.3290

■ 25.0878, 0.4290,  
0.2201

■ 23.8880, 0.4461,  
0.2239

■ 23.7113, 0.4495,  
0.2250

# Harmonies

## Analogous

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



50.7757, 0.2847, 0.2400



50.7757, 0.3488, 0.2679



50.7757, 0.4073, 0.3092

# Triad

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



50.7757, 0.3488, 0.2679



50.7757, 0.3891, 0.4380



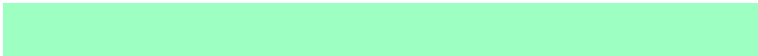
50.7757, 0.2021, 0.2806

# Complementary

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



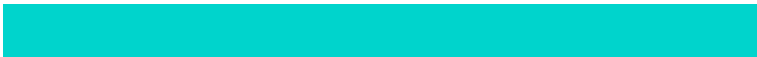
50.7757, 0.3488, 0.2679



82.7016, 0.2886, 0.3998

# 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.



50.7757, 0.2242, 0.3401



50.7757, 0.3488, 0.2679



50.7757, 0.3305, 0.4418

# Square

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



50.7757, 0.3488, 0.2679



50.7757, 0.4295, 0.4039



50.7757, 0.2702, 0.4040



50.7757, 0.2058, 0.2433



# Rectangle

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



50.7757, 0.3488, 0.2679



50.7757, 0.4316, 0.3409



50.7757, 0.2702, 0.4040



50.7757, 0.2066, 0.2985

# Sweetspot

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



50.7781, 0.3488, 0.2679



82.7211, 0.3209, 0.3120



43.0944, 0.2679, 0.2203



17.2880, 0.3220, 0.3099



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.



50.7781, 0.3488, 0.2679



44.0182, 0.3594, 0.2554



48.6545, 0.3944, 0.3156



18.1761, 0.3197, 0.3144



12.4249, 0.4468, 0.2235



1.2311, 0.4285, 0.2134



# Inverse Universe

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



50.7781, 0.3488, 0.2679



44.0182, 0.3594, 0.2554



85.1749, 0.2656, 0.3434



18.1761, 0.3197, 0.3144



12.4249, 0.4468, 0.2235

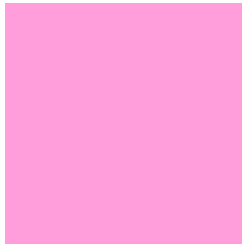


1.2311, 0.4285, 0.2134



# Previews

## White Background



This preview shows how the Yxy color 50.7757, 0.3488, 0.2679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

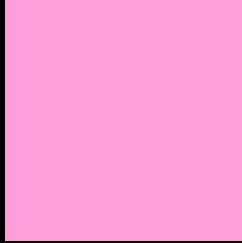
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.7757, 0.3488, 0.2679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

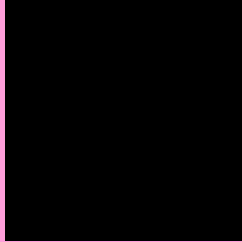
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.7757, 0.3488, 0.2679**

## Background



This preview shows how black text looks on a background with the Yxy color 50.7757, 0.3488, 0.2679.



This preview shows how white text looks on a background with the Yxy color 50.7757, 0.3488, 0.2679.

# 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

50.7757, 0.3488, 0.2679

### Protanopia

51.0608, 0.2696, 0.2681

### Deuteranopia

50.8208, 0.3005, 0.2942



## Tritanopia

50.8108, 0.3804, 0.3164

# Trichromacy



## Original Color

50.7757, 0.3488, 0.2679



## Protanomaly

49.7993, 0.2944, 0.2660



## Deuteranomaly

50.3180, 0.3166, 0.2834



## Tritanomaly

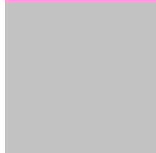
50.7401, 0.3686, 0.2975

# Monochromacy



## Original Color

50.7757, 0.3488, 0.2679



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

51.9585, 0.3249, 0.3035

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7757, 0.3488, 0.2679 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, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 218)  
}
```

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, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7757, 0.3488, 0.2679 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, 158, 218) }
```

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

```
.border{ border-color:rgb(255, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 158, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 158, 218); box-shadow:4px 4px 4px 4px rgb(255, 158, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7757, 0.3488, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 218) }
```

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

```
.background{ background-color: rgb(255,  
158, 218) }
```

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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