

# Converting Colors

$Y_{xy}(51.3770, 0.3919, 0.3238)$

Have a look what the booklet for  
Yxy(51.3770, 0.3919, 0.3238)  
contains.

<b>Yxy(51.4727, 0.3917, 0.3240)</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(51.4727, 0.3917, 0.3240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA6AB
RGB	255, 166, 171
RGB Percent	100%, 65%, 67%
CMY	0.0000, 0.3490, 0.3295
CMYK	0.00, 0.35, 0.33, 0.00
HSL	357°, 100%, 83%
HSV	357°, 35%, 100%
XYZ	62.2280, 51.4727, 45.1657
YIQ	193.1810, 51.4390, 20.4230

# Conversions

## Conversions Part 2

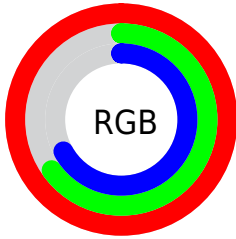
Format	Color
R <sub>Y</sub> B	255, 166, 171
Decimal	16754347
CIE Lab	76.96, 33.45, 11.13
CIE LCh	77, 35.255, 18.396
Yxy	51.4727, 0.3917, 0.3240
Android (android.graphics.Color)	4294944427 (0xFFFFA6AB)
YUV	193.1810, -10.9352, 54.2153
Hunter-Lab	71.7445, 29.2701, 12.8960

# Details

The Yxy color **51.4727, 0.3917, 0.3240** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.5318, 0.2656, 0.3343**, and the grayscale version is **53.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9935, 0.3337, 0.3251**, and **24.8779, 0.4132, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **42.2666, 0.4272, 0.3227**, and if you desaturate by 10%, it is **62.6836, 0.3626, 0.3255**.

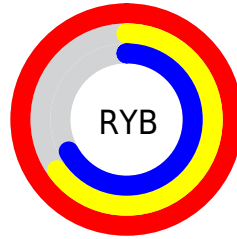
# Distribution



Red (100%)

Green (65%)

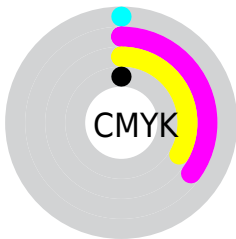
Blue (67%)



Red (100%)

Yellow (65%)

Blue (67%)

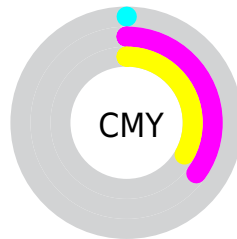


Cyan (0%)

Magenta (35%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4727, 0.3917, 0.3240 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 51.4727, 0.3917, 0.3240 by changing the saturation by 10% instead.




 51.4727, 0.3917,  
0.3240


 51.4727, 0.3917,  
0.3240


392.3975, 0.3525,  
0.3274

 36.5849, 0.4013,  
0.3229


 92.3531, 0.3775,  
0.3254

 24.8863, 0.4136,  
0.3213


 119.1146, 0.3722,  
0.3259

 15.9924, 0.4298,  
0.3191


150.6027, 0.3677,  
0.3263

 9.5187, 0.4519,  
0.3155

187.2019, 0.3638,  
0.3266

 5.0811, 0.4839,  
0.3094

229.2966, 0.3604,  
0.3269

 2.2949, 0.5336,  
0.2977

277.2712, 0.3574,

 0.7710, 0.6796,

0.3271

0.2967

331.5100, 0.3548,  
0.3273

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.4727, 0.3917,  
0.3240

51.4727, 0.3917,  
0.3240

42.2666, 0.4272,  
0.3227

62.6836, 0.3626,  
0.3255

34.9475, 0.4689,  
0.3217

76.0082, 0.3392,  
0.3269

29.3845, 0.5152,  
0.3215

91.5474, 0.3205,  
0.3283

25.4304, 0.5617,  
0.3222

100.0000, 0.3127,  
0.3290

■ 22.9139, 0.6015,  
0.3240

■ 21.6248, 0.6281,  
0.3267

■ 21.2923, 0.6360,  
0.3277

# Harmonies

## Analogous

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



51.4727, 0.3522, 0.2892



51.4727, 0.3917, 0.3240



51.4727, 0.4080, 0.3620

# Triad

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



51.4727, 0.3917, 0.3240



51.4727, 0.3159, 0.4077



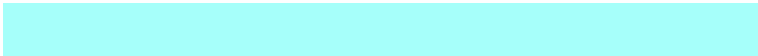
51.4727, 0.2336, 0.2593

# Complementary

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



51.4727, 0.3917, 0.3240



86.5318, 0.2656, 0.3343

# 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.



51.4727, 0.2259, 0.2847



51.4727, 0.3917, 0.3240



51.4727, 0.2710, 0.3737

# Square

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



51.4727, 0.3917, 0.3240



51.4727, 0.3620, 0.4144



51.4727, 0.2389, 0.3264



51.4727, 0.2609, 0.2529



# Rectangle

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



51.4727, 0.3917, 0.3240



51.4727, 0.4032, 0.3855



51.4727, 0.2389, 0.3264



51.4727, 0.2288, 0.2657

# Sweetspot

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



51.4725, 0.3917, 0.3240



83.3408, 0.3295, 0.3276



54.6456, 0.3120, 0.2409



17.3765, 0.3322, 0.3274



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.



51.4725, 0.3917, 0.3240



44.7373, 0.4162, 0.3230



67.4697, 0.3822, 0.3692



18.0035, 0.3286, 0.3277



11.1322, 0.6345, 0.3269



1.0894, 0.6214, 0.3197



# Inverse Universe

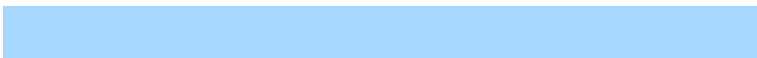
The Inverse Universe completely reimagines the original color for something new.



51.4725, 0.3917, 0.3240



44.7373, 0.4162, 0.3230



64.6621, 0.2573, 0.2847



18.0035, 0.3286, 0.3277



11.1322, 0.6345, 0.3269



1.0894, 0.6214, 0.3197



# Previews

## White Background



This preview shows how the Yxy color 51.4727, 0.3917, 0.3240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

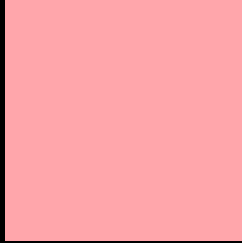
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4727, 0.3917, 0.3240 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 51.4727, 0.3917, 0.3240**

## Background



This preview shows how black text looks on a background with the Yxy color 51.4727, 0.3917, 0.3240.



This preview shows how white text looks on a background with the Yxy color 51.4727, 0.3917, 0.3240.

# 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

51.4727, 0.3917, 0.3240

### Protanopia

51.8897, 0.3214, 0.3365

### Deuteranopia

51.4458, 0.3549, 0.3470



## Tritanopia

51.3846, 0.3852, 0.3155

# Trichromacy



## Original Color

51.4727, 0.3917, 0.3240



## Protanomaly

51.0541, 0.3459, 0.3315



## Deuteranomaly

51.2978, 0.3683, 0.3383



## Tritanomaly

51.2654, 0.3881, 0.3187

# Monochromacy



## Original Color

51.4727, 0.3917, 0.3240



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

51.9687, 0.3396, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4727, 0.3917, 0.3240 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, 166, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 171)  
}
```

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, 166, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4727, 0.3917, 0.3240 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, 166, 171) }
```

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

```
.border{ border-color:rgb(255, 166, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4727, 0.3917, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 171) }
```

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

```
.background{ background-color: rgb(255,  
166, 171) }
```

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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