

# Converting Colors

$Y_{xy}(39.6899, 0.4522, 0.3350)$

Have a look what the booklet for  
Yxy(39.6899, 0.4522, 0.3350)  
contains.

<b>Yxy(39.5936, 0.4522, 0.3345)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.5936, 0.4522, 0.3345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8580
RGB	255, 133, 128
RGB Percent	100%, 52%, 50%
CMY	0.0000, 0.4784, 0.4980
CMYK	0.00, 0.48, 0.50, 0.00
HSL	2°, 100%, 75%
HSV	2°, 50%, 100%
XYZ	53.5253, 39.5936, 25.2476
YIQ	168.9080, 74.3170, 24.3090

# Conversions

## Conversions Part 2

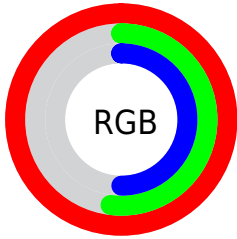
Format	Color
R <sub>Y</sub> B	255, 133, 128
Decimal	16745856
CIE Lab	69.18, 45.75, 23.99
CIE LCh	69, 51.656, 27.672
Yxy	39.5936, 0.4522, 0.3345
Android (android.graphics.Color)	4294935936 (0xFFFF8580)
YUV	168.9080, -20.1676, 75.5027
Hunter-Lab	62.9234, 41.7236, 20.2567

# Details

The Yxy color **39.5936, 0.4522, 0.3345** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.1871, 0.2464, 0.3231**, and the grayscale version is **39.7037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5626, 0.3754, 0.3365**, and **17.7712, 0.4937, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **33.0618, 0.4976, 0.3352**, and if you desaturate by 10%, it is **47.8611, 0.4123, 0.3335**.

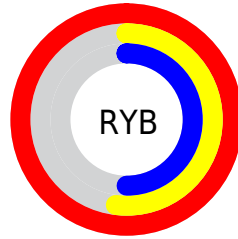
# Distribution



Red (100%)

Green (52%)

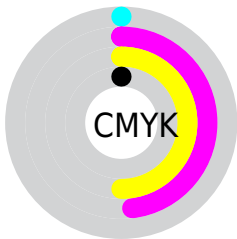
Blue (50%)



Red (100%)

Yellow (52%)

Blue (50%)

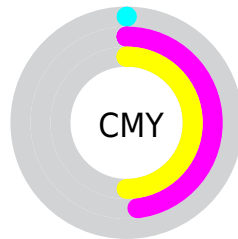


Cyan (0%)

Magenta (48%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (48%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5936, 0.4522, 0.3345 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 39.5936, 0.4522, 0.3345 by changing the saturation by 10% instead.





 39.5936, 0.4522,  
0.3345


 39.5936, 0.4522,  
0.3345


344.4077, 0.3801,  
0.3352


 27.2218, 0.4706,  
0.3331


 74.5443, 0.4256,  
0.3356

 17.7399, 0.4942,  
0.3307


 97.8919, 0.4158,  
0.3358

 10.7634, 0.5254,  
0.3261


 125.6670, 0.4074,  
0.3358

 5.9080, 0.5681,  
0.3174

158.2540, 0.4003,  
0.3357

 2.7892, 0.6307,  
0.3008

196.0371, 0.3942,  
0.3356

 1.0227, 0.7319,  
0.2681

239.4008, 0.3889,


 0.0000, 1.0000,


0.3355


0.0000


288.7295, 0.3842,  
0.3354


 0.0000, 0.0000,  
0.0000


 39.5936, 0.4522,  
0.3345


 39.5936, 0.4522,  
0.3345


 33.0618, 0.4976,  
0.3352


 47.8611, 0.4123,  
0.3335


 28.1380, 0.5451,  
0.3352


 57.9711, 0.3790,  
0.3323

 24.6843, 0.5887,  
0.3345

 70.0270, 0.3518,  
0.3312

 22.5375, 0.6210,  
0.3330

 84.1232, 0.3299,  
0.3300

 21.4895, 0.6379,  
0.3315

100.0000, 0.3127,  
0.3290

 21.4776, 0.6382,  
0.3315

# Harmonies

## Analogous

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



39.5936, 0.3977, 0.2820



39.5936, 0.4522, 0.3345



39.5936, 0.4616, 0.3907

# Triad

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



39.5936, 0.4522, 0.3345



39.5936, 0.2912, 0.4478



39.5936, 0.2021, 0.2164

# Complementary

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



39.5936, 0.4522, 0.3345



80.1871, 0.2464, 0.3231

# 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.



39.5936, 0.1821, 0.2422



39.5936, 0.4522, 0.3345



39.5936, 0.2280, 0.3779

# Square

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



39.5936, 0.4522, 0.3345



39.5936, 0.3641, 0.4692



39.5936, 0.1902, 0.2983



39.5936, 0.2495, 0.2171



# Rectangle

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



39.5936, 0.4522, 0.3345



39.5936, 0.4426, 0.4261



39.5936, 0.1902, 0.2983



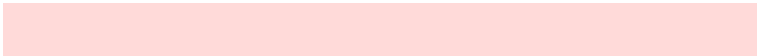
39.5936, 0.1924, 0.2218

# Sweetspot

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



39.5951, 0.4522, 0.3345



76.5311, 0.3407, 0.3306



43.6522, 0.3220, 0.2119



15.7567, 0.3454, 0.3308



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.



39.5951, 0.4522, 0.3345



32.9473, 0.4985, 0.3352



62.1814, 0.4155, 0.3986



18.1014, 0.3294, 0.3300



11.2720, 0.6373, 0.3321



1.1360, 0.6309, 0.3372



# Inverse Universe

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



80.1871, 0.2464, 0.3231



77.7879, 0.2374, 0.3217



47.4672, 0.2312, 0.2451



20.3517, 0.2980, 0.3280



37.9429, 0.2213, 0.3167



3.7310, 0.2217, 0.3181



# Previews

## White Background



This preview shows how the Yxy color 39.5936, 0.4522, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

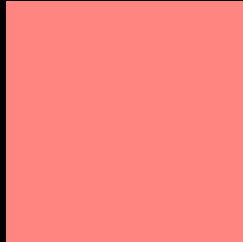
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5936, 0.4522, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

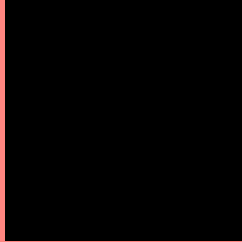
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5936, 0.4522, 0.3345**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5936, 0.4522, 0.3345.



This preview shows how white text looks on a background with the Yxy color 39.5936, 0.4522, 0.3345.

# 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

39.5936, 0.4522, 0.3345

### Protanopia

39.8852, 0.3422, 0.3624

### Deuteranopia

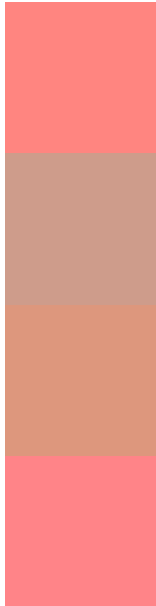
39.6882, 0.3882, 0.3797



## Tritanopia

39.6856, 0.4380, 0.3201

# Trichromacy



## Original Color

39.5936, 0.4522, 0.3345

## Protanomaly

38.7628, 0.3803, 0.3509

## Deuteranomaly

38.9860, 0.4123, 0.3605

## Tritanomaly

39.5401, 0.4437, 0.3253

# Monochromacy



## Original Color

39.5936, 0.4522, 0.3345

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.3894, 0.3590, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5936, 0.4522, 0.3345 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, 133, 128)` looks like.

```
.text, #text, p{  
  color:rgb(255, 133, 128)  
}
```

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, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5936, 0.4522, 0.3345 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, 133, 128) }
```

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

```
.border{ border-color:rgb(255, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5936, 0.4522, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 128) }
```

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

```
.background{ background-color: rgb(255,  
133, 128) }
```

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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