

# Converting Colors

$Y_{xy}(51.4900, 0.4019, 0.3372)$

Have a look what the booklet for  
Yxy(51.4900, 0.4019, 0.3372)  
contains.

<b>Yxy(51.4355, 0.4019, 0.3366)</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(51.4355, 0.4019, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA7A0
RGB	255, 167, 160
RGB Percent	100%, 65%, 63%
CMY	0.0000, 0.3451, 0.3725
CMYK	0.00, 0.35, 0.37, 0.00
HSL	4°, 100%, 81%
HSV	4°, 37%, 100%
XYZ	61.4139, 51.4355, 39.9595
YIQ	192.5140, 54.6950, 16.4790

# Conversions

## Conversions Part 2

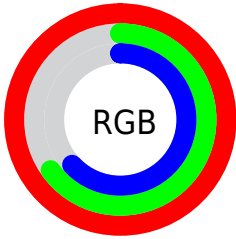
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 168, 160
Decimal	16754592
CIE Lab	76.94, 31.65, 17.05
CIE LCh	77, 35.951, 28.318
Yxy	51.4355, 0.4019, 0.3366
Android (android.graphics.Color)	4294944672 (0xFFFFA7A0)
YUV	192.5140, -16.0294, 54.8002
Hunter-Lab	71.7185, 27.3454, 17.1683

# Details

The Yxy color **51.4355, 0.4019, 0.3366** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.8530, 0.2594, 0.3211**, and the grayscale version is **53.0967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9416, 0.3412, 0.3371**, and **24.8745, 0.4261, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **42.7486, 0.4392, 0.3385**, and if you desaturate by 10%, it is **61.8805, 0.3708, 0.3345**.

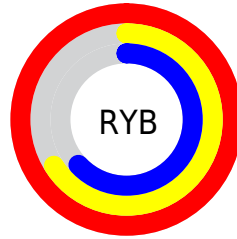
# Distribution



Red (100%)

Green (65%)

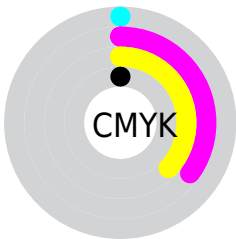
Blue (63%)



Red (100%)

Yellow (66%)

Blue (63%)

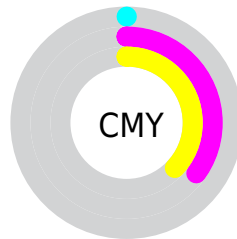


Cyan (0%)

Magenta (35%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4355, 0.4019, 0.3366 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 51.4355, 0.4019, 0.3366 by changing the saturation by 10% instead.




 51.4355, 0.4019,  
0.3366

 51.4355, 0.4019,  
0.3366


392.2534, 0.3576,  
0.3343

 36.5553, 0.4128,  
0.3367

 92.2982, 0.3859,  
0.3361

 24.8634, 0.4266,  
0.3366


 119.0495, 0.3799,  
0.3358

 15.9753, 0.4448,  
0.3361


150.5266, 0.3747,  
0.3355

 9.5067, 0.4695,  
0.3346

187.1140, 0.3703,  
0.3353

 5.0731, 0.5049,  
0.3308

229.1959, 0.3665,  
0.3350

 2.2902, 0.5590,  
0.3216

277.1569, 0.3632,

 0.7685, 0.6876,

0.3348

0.3124

331.3813, 0.3602,  
0.3345

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.4355, 0.4019,  
0.3366

51.4355, 0.4019,  
0.3366

42.7486, 0.4392,  
0.3385

61.8805, 0.3708,  
0.3345

35.7323, 0.4822,  
0.3399

74.1837, 0.3455,  
0.3324

30.2763, 0.5286,  
0.3404

88.4254, 0.3250,  
0.3304

26.2612, 0.5734,  
0.3395

100.0000, 0.3127,  
0.3290

■ 23.5502, 0.6098,  
0.3371

■ 21.9795, 0.6321,  
0.3337

■ 21.7156, 0.6361,  
0.3331

# Harmonies

## Analogous

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



51.4355, 0.3682, 0.2994



51.4355, 0.4019, 0.3366



51.4355, 0.4090, 0.3748

# Triad

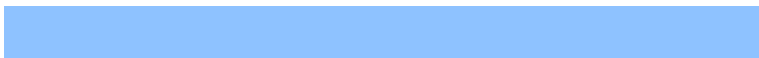
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.4355, 0.4019, 0.3366



51.4355, 0.3000, 0.4006



51.4355, 0.2393, 0.2538

# Complementary

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



51.4355, 0.4019, 0.3366



81.8530, 0.2594, 0.3211

# 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.



51.4355, 0.2246, 0.2731



51.4355, 0.4019, 0.3366



51.4355, 0.2575, 0.3591

# Square

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



51.4355, 0.4019, 0.3366



51.4355, 0.3480, 0.4172



51.4355, 0.2308, 0.3108



51.4355, 0.2729, 0.2534



# Rectangle

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



51.4355, 0.4019, 0.3366



51.4355, 0.3980, 0.3967



51.4355, 0.2308, 0.3108



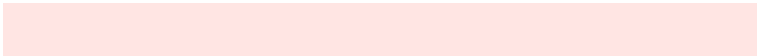
51.4355, 0.2321, 0.2580

# Sweetspot

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



51.4322, 0.4019, 0.3366



82.8456, 0.3322, 0.3311



53.2290, 0.3221, 0.2420



17.3159, 0.3349, 0.3314



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.



51.4322, 0.4019, 0.3366



44.5495, 0.4302, 0.3381



71.8131, 0.3833, 0.3845



18.2008, 0.3293, 0.3308



11.4235, 0.6349, 0.3341



1.1831, 0.6234, 0.3432



# Inverse Universe

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



81.8530, 0.2594, 0.3211



79.0858, 0.2504, 0.3192



56.5536, 0.2514, 0.2658



20.2399, 0.2980, 0.3272



35.3065, 0.2183, 0.3059



3.5030, 0.2191, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 51.4355, 0.4019, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

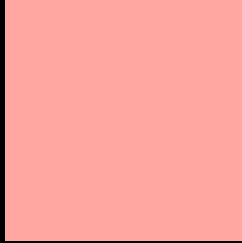
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4355, 0.4019, 0.3366 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 51.4355, 0.4019, 0.3366**

## Background



This preview shows how black text looks on a background with the Yxy color 51.4355, 0.4019, 0.3366.



This preview shows how white text looks on a background with the Yxy color 51.4355, 0.4019, 0.3366.

# 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

51.4355, 0.4019, 0.3366

### Protanopia

51.8112, 0.3334, 0.3515

### Deuteranopia

51.5169, 0.3671, 0.3599



## Tritanopia

51.3446, 0.3862, 0.3166

# Trichromacy



**Original Color**

51.4355, 0.4019, 0.3366

**Protanomaly**

51.3431, 0.3569, 0.3457

**Deuteranomaly**

51.2365, 0.3800, 0.3508

**Tritanomaly**

51.4727, 0.3917, 0.3240

# Monochromacy



**Original Color**

51.4355, 0.4019, 0.3366

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

52.2161, 0.3427, 0.3326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4355, 0.4019, 0.3366 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, 167, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 160)  
}
```

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, 167, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4355, 0.4019, 0.3366 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, 167, 160) }
```

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

```
.border{ border-color:rgb(255, 167, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4355, 0.4019, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 160) }
```

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

```
.background{ background-color: rgb(255,  
167, 160) }
```

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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