

# Converting Colors

$Yxy(61.2137, 0.4360, 0.3484)$

Have a look what the booklet for  
Yxy(61.2137, 0.4360, 0.3484)  
contains.

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# Color

**Yxy(53.8320, 0.4055, 0.3514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAE99
RGB	255, 174, 153
RGB Percent	100%, 68%, 60%
CMY	0.0001, 0.3176, 0.4001
CMYK	0.00, 0.32, 0.40, 0.00
HSL	12°, 100%, 80%
HSV	12°, 40%, 100%
XYZ	62.1197, 53.8320, 37.2412
YIQ	195.8250, 55.0170, 10.6410

# Conversions

## Conversions Part 2

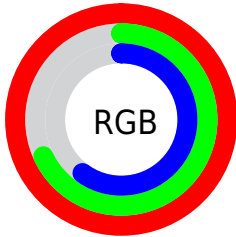
Format	Color
R <sub>Y</sub> B	255, 179, 153
Decimal	16756377
CIE Lab	78.36, 27.17, 22.83
CIE LCh	78, 35.488, 40.036
Yxy	53.8320, 0.4055, 0.3514
Android (android.graphics.Color)	4294946457 (0xFFFFAE99)
YUV	195.8250, -21.1127, 51.8965
Hunter-Lab	73.3703, 22.7309, 21.2649

# Details

The Yxy color **53.8320, 0.4055, 0.3514** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.8006, 0.2537, 0.3048**, and the grayscale version is **55.1962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3586, 0.3456, 0.3522**, and **26.3698, 0.4304, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **45.8398, 0.4404, 0.3566**, and if you desaturate by 10%, it is **63.1876, 0.3756, 0.3457**.

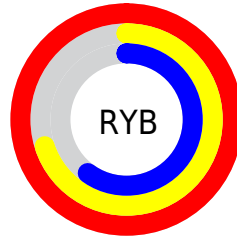
# Distribution



Red (100%)

Green (68%)

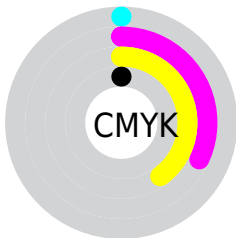
Blue (60%)



Red (100%)

Yellow (70%)

Blue (60%)

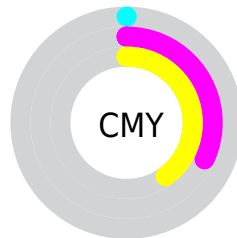


Cyan (0%)

Magenta (32%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8320, 0.4055, 0.3514 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 53.8320, 0.4055, 0.3514 by changing the saturation by 10% instead.



 53.8320, 0.4055,  
0.3514

 53.8320, 0.4055,  
0.3514


401.4691, 0.3598,  
0.3422

 38.4674, 0.4166,  
0.3531


 95.8275, 0.3891,  
0.3485

 26.3456, 0.4306,  
0.3549


 123.2272, 0.3829,  
0.3473

 17.0824, 0.4487,  
0.3567

155.4074, 0.3776,  
0.3462

 10.2932, 0.4731,  
0.3581

192.7524, 0.3731,  
0.3453

 5.5938, 0.5072,  
0.3582

235.6467, 0.3691,  
0.3444

 2.5997, 0.5600,  
0.3555

284.4746, 0.3656,

 0.9265, 0.6546,

0.3436

0.3454

339.6206, 0.3625,  
0.3429

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.8320, 0.4055,  
0.3514

53.8320, 0.4055,  
0.3514

45.8398, 0.4404,  
0.3566

63.1876, 0.3756,  
0.3457

39.1391, 0.4797,  
0.3604

73.9586, 0.3506,  
0.3398

33.6631, 0.5213,  
0.3619

86.2037, 0.3299,  
0.3342

29.3356, 0.5616,  
0.3601

99.9761, 0.3127,  
0.3290

■ 26.0714, 0.5955,  
0.3546

99.9971, 0.3127,  
0.3290

■ 23.7670, 0.6193,  
0.3464

# Harmonies

## Analogous

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



53.8320, 0.3820, 0.3138



53.8320, 0.4055, 0.3514



53.8320, 0.4015, 0.3868

# Triad

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



53.8320, 0.4055, 0.3514



53.8320, 0.2830, 0.3848



53.8320, 0.2520, 0.2534

# Complementary

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



53.8320, 0.4055, 0.3514



72.8006, 0.2537, 0.3048

# 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.



53.8320, 0.2301, 0.2650



53.8320, 0.4055, 0.3514



53.8320, 0.2466, 0.3397

# Square

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



53.8320, 0.4055, 0.3514



53.8320, 0.3291, 0.4118



53.8320, 0.2281, 0.2953



53.8320, 0.2908, 0.2597



# Rectangle

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



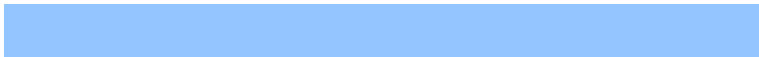
53.8320, 0.4055, 0.3514



53.8320, 0.3846, 0.4047



53.8320, 0.2281, 0.2953



53.8320, 0.2426, 0.2552

# Sweetspot

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



53.8346, 0.4055, 0.3514



83.6545, 0.3337, 0.3353



50.0047, 0.3345, 0.2476



17.5532, 0.3363, 0.3361



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.



53.8346, 0.4055, 0.3514



47.3448, 0.4330, 0.3556



77.0725, 0.3842, 0.4016



18.5939, 0.3289, 0.3340



12.5897, 0.6168, 0.3484

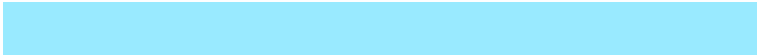


1.3733, 0.5961, 0.3648

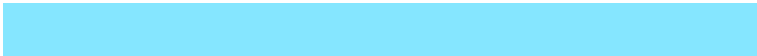


# Inverse Universe

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



72.8006, 0.2537, 0.3048



68.6289, 0.2436, 0.2991



48.0939, 0.2440, 0.2433



19.8076, 0.2980, 0.3240



26.1634, 0.2059, 0.2611



2.7001, 0.2083, 0.2698



# Previews

## White Background



This preview shows how the Yxy color 53.8320, 0.4055, 0.3514 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 53.8320, 0.4055, 0.3514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

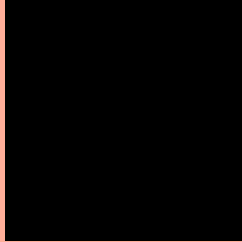
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8320, 0.4055, 0.3514**

## Background



This preview shows how black text looks on a background with the Yxy color 53.8320, 0.4055, 0.3514.



This preview shows how white text looks on a background with the Yxy color 53.8320, 0.4055, 0.3514.

# 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

53.8320, 0.4055, 0.3514

### Protanopia

54.1713, 0.3466, 0.3682

### Deuteranopia

53.8462, 0.3783, 0.3694



## Tritanopia

53.8047, 0.3786, 0.3166

# Trichromacy



**Original Color**

53.8320, 0.4055, 0.3514

**Protanomaly**

53.7318, 0.3667, 0.3618

**Deuteranomaly**

53.9000, 0.3879, 0.3627

**Tritanomaly**

53.7436, 0.3886, 0.3292

# Monochromacy



**Original Color**

53.8320, 0.4055, 0.3514

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

54.0134, 0.3437, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8320, 0.4055, 0.3514 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, 174, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 153)  
}
```

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, 174, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8320, 0.4055, 0.3514 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, 174, 153) }
```

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

```
.border{ border-color:rgb(255, 174, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8320, 0.4055, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 153) }
```

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

```
.background{ background-color: rgb(255,  
174, 153) }
```

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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