

# Converting Colors

$Y_{xy}(55.3917, 0.4403, 0.4035)$

Have a look what the booklet for  
Yxy(55.3917, 0.4403, 0.4035)  
contains.

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# Color

**Yxy(55.3693, 0.4404, 0.4036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB56B
RGB	255, 181, 107
RGB Percent	100%, 71%, 42%
CMY	0.0000, 0.2902, 0.5805
CMYK	0.00, 0.29, 0.58, 0.00
HSL	30°, 100%, 71%
HSV	30°, 58%, 100%
XYZ	60.4178, 55.3693, 21.4014
YIQ	194.6900, 67.8580, -7.3260

# Conversions

## Conversions Part 2

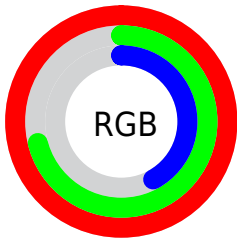
Format	Color
R <sub>Y</sub> B	255, 255, 107
Decimal	16758123
CIE Lab	79.25, 19.34, 47.95
CIE LCh	79, 51.697, 68.036
Yxy	55.3693, 0.4404, 0.4036
Android (android.graphics.Color)	4294948203 (0xFFFFB56B)
YUV	194.6900, -43.2312, 52.8919
Hunter-Lab	74.4106, 14.7151, 35.0348

# Details

The Yxy color **55.3693, 0.4404, 0.4036** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.3727, 0.2198, 0.2347**, and the grayscale version is **54.6095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3664, 0.3750, 0.4062**, and **27.3359, 0.4705, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **49.9625, 0.4683, 0.4120**, and if you desaturate by 10%, it is **61.4116, 0.4132, 0.3923**.

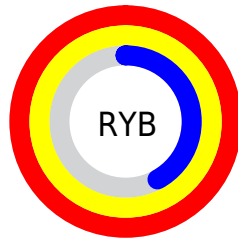
# Distribution



Red (100%)

Green (71%)

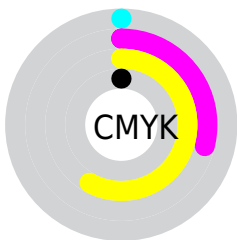
Blue (42%)



Red (100%)

Yellow (100%)

Blue (42%)

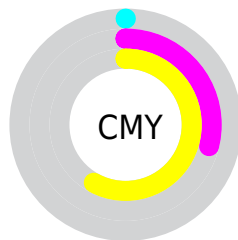


Cyan (0%)

Magenta (29%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3693, 0.4404, 0.4036 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 55.3693, 0.4404, 0.4036 by changing the saturation by 10% instead.





 55.3693, 0.4404,  
0.4036


 55.3693, 0.4404,  
0.4036

407.3103, 0.3797,  
0.3718


 39.6975, 0.4540,  
0.4096


 98.0818, 0.4194,  
0.3935

 27.3027, 0.4704,  
0.4160


 125.8913, 0.4112,  
0.3893

 17.8007, 0.4904,  
0.4226


 158.5155, 0.4041,  
0.3855

 10.8070, 0.5145,  
0.4283

 196.3387, 0.3979,  
0.3821

 5.9372, 0.5508,  
0.4364

239.7454, 0.3925,  
0.3791

 2.8069, 0.5765,  
0.4235

289.1200, 0.3877,

 1.0318, 0.6082,

0.3764

344.8468, 0.3835,  
0.3740

0.3918

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.3693, 0.4404,  
0.4036

55.3693, 0.4404,  
0.4036

49.9625, 0.4683,  
0.4120

61.4116, 0.4132,  
0.3923

45.1595, 0.4953,  
0.4161

68.1096, 0.3877,  
0.3794

40.9318, 0.5197,  
0.4149

75.4879, 0.3645,  
0.3658

37.2424, 0.5399,  
0.4082

83.5681, 0.3439,  
0.3522

■ 36.5797, 0.5436,  
0.4066

■ 92.3709, 0.3257,  
0.3390

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



55.3693, 0.4456, 0.3531



55.3693, 0.4404, 0.4036



55.3693, 0.3994, 0.4432

# Triad

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



55.3693, 0.4404, 0.4036



55.3693, 0.2216, 0.3477



55.3693, 0.2762, 0.2323

# Complementary

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



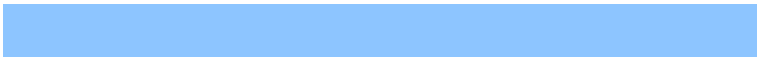
55.3693, 0.4404, 0.4036



43.3727, 0.2198, 0.2347

# 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.



55.3693, 0.2246, 0.2243



55.3693, 0.4404, 0.4036



55.3693, 0.1958, 0.2818

# Square

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



55.3693, 0.4404, 0.4036



55.3693, 0.2726, 0.4162



55.3693, 0.1972, 0.2398



55.3693, 0.3444, 0.2601



# Rectangle

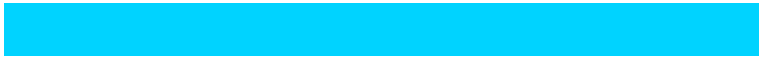
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3693, 0.4404, 0.4036



55.3693, 0.3595, 0.4542



55.3693, 0.1972, 0.2398



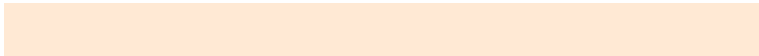
55.3693, 0.2566, 0.2272

# Sweetspot

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



55.3708, 0.4404, 0.4036



84.4621, 0.3418, 0.3508



35.1026, 0.3987, 0.2552



17.7154, 0.3457, 0.3535



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.



55.3708, 0.4404, 0.4036



48.9816, 0.4737, 0.4131



93.8407, 0.3957, 0.4662



19.4883, 0.3282, 0.3409



19.4123, 0.5410, 0.4086

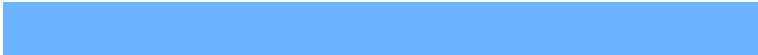


2.1085, 0.5234, 0.4226



# Inverse Universe

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



43.3727, 0.2198, 0.2347



35.9475, 0.2035, 0.2111



20.8505, 0.1993, 0.1416



18.8779, 0.2979, 0.3168



12.0641, 0.1770, 0.1573



1.3930, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 55.3693, 0.4404, 0.4036 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 55.3693, 0.4404, 0.4036 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

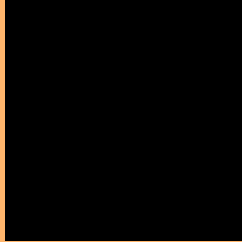
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.3693, 0.4404, 0.4036**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3693, 0.4404, 0.4036.



This preview shows how white text looks on a background with the Yxy color 55.3693, 0.4404, 0.4036.

# 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

55.3693, 0.4404, 0.4036

### Protanopia

55.7237, 0.3923, 0.4265

### Deuteranopia

55.2820, 0.4251, 0.4149



## Tritanopia

55.4651, 0.3747, 0.3177

# Trichromacy



**Original Color**

55.3693, 0.4404, 0.4036

**Protanomaly**

55.2323, 0.4094, 0.4178

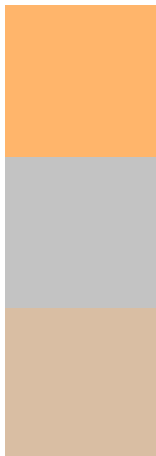
**Deuteranomaly**

55.3314, 0.4307, 0.4112

**Tritanomaly**

55.1386, 0.4005, 0.3503

# Monochromacy



**Original Color**

55.3693, 0.4404, 0.4036

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

54.2230, 0.3572, 0.3611

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3693, 0.4404, 0.4036 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, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 107)  
}
```

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, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3693, 0.4404, 0.4036 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, 181, 107) }
```

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

```
.border{ border-color:rgb(255, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3693, 0.4404, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 107) }
```

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

```
.background{ background-color: rgb(255,  
181, 107) }
```

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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