

# Converting Colors

Yxy(55.9514, 0.4428, 0.4095)

Have a look what the booklet for  
Yxy(55.9514, 0.4428, 0.4095)  
contains.

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# Color

**Yxy(56.0863, 0.4426, 0.4098)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB766
RGB	255, 183, 102
RGB Percent	100%, 72%, 40%
CMY	0.0000, 0.2824, 0.6000
CMYK	0.00, 0.28, 0.60, 0.00
HSL	32°, 100%, 70%
HSV	32°, 60%, 100%
XYZ	60.5754, 56.0863, 20.2009
YIQ	195.2940, 68.9130, -9.9270

# Conversions

## Conversions Part 2

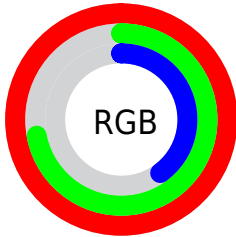
Format	Color
R <sub>Y</sub> B	238, 255, 102
Decimal	16758630
CIE Lab	79.66, 17.94, 50.87
CIE LCh	80, 53.940, 70.568
Yxy	56.0863, 0.4426, 0.4098
Android (android.graphics.Color)	4294948710 (0xFFFFB766)
YUV	195.2940, -45.9939, 52.3622
Hunter-Lab	74.8908, 13.3208, 36.4308

# Details

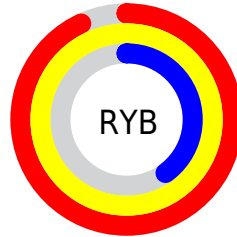
The Yxy color **56.0863, 0.4426, 0.4098** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.3134, 0.2156, 0.2248**, and the grayscale version is **55.0055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3596, 0.3774, 0.4129**, and **27.8064, 0.4728, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **50.9150, 0.4691, 0.4181**, and if you desaturate by 10%, it is **61.8354, 0.4163, 0.3983**.

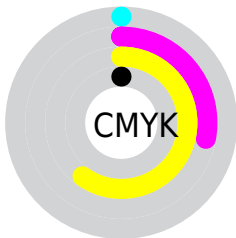
# Distribution



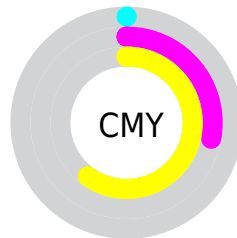
- Red (100%)
- Green (72%)
- Blue (40%)



- Red (93%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (28%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0863, 0.4426, 0.4098 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 56.0863, 0.4426, 0.4098 by changing the saturation by 10% instead.




 56.0863, 0.4426,  
0.4098

 56.0863, 0.4426,  
0.4098


410.0166, 0.3814,  
0.3754


 40.2721, 0.4561,  
0.4162


 99.1307, 0.4216,  
0.3989

 27.7508, 0.4723,  
0.4231


 127.1298, 0.4133,  
0.3943

 18.1379, 0.4916,  
0.4301


 159.9593, 0.4061,  
0.3903

 11.0490, 0.5146,  
0.4361

 198.0035, 0.3999,  
0.3866

 6.0998, 0.5518,  
0.4468

241.6470, 0.3944,  
0.3834

 2.9059, 0.5697,  
0.4303

291.2741, 0.3896,

 1.0828, 0.5987,

0.3804

0.4013

347.2692, 0.3852,  
0.3778

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

56.0863, 0.4426,  
0.4098

56.0863, 0.4426,  
0.4098

50.9150, 0.4691,  
0.4181

61.8354, 0.4163,  
0.3983

46.2959, 0.4942,  
0.4219


68.1850, 0.3913,  
0.3849

42.2006, 0.5164,  
0.4203

75.1565, 0.3682,  
0.3707

38.5898, 0.5348,  
0.4136

82.7699, 0.3474,  
0.3563

 91.0442, 0.3290,  
0.3423

99.9973, 0.3127,  
0.3290

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.



56.0863, 0.4520, 0.3579



56.0863, 0.4426, 0.4098



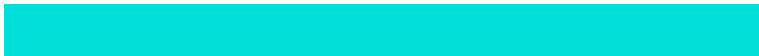
56.0863, 0.3974, 0.4497

# Triad

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



56.0863, 0.4426, 0.4098



56.0863, 0.2150, 0.3418



56.0863, 0.2802, 0.2308

# Complementary

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



56.0863, 0.4426, 0.4098



40.3134, 0.2156, 0.2248

# 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.



56.0863, 0.2251, 0.2206



56.0863, 0.4426, 0.4098



56.0863, 0.1910, 0.2750

# Square

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



56.0863, 0.4426, 0.4098



56.0863, 0.2656, 0.4148



56.0863, 0.1948, 0.2342



56.0863, 0.3516, 0.2610



# Rectangle

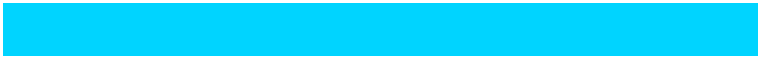
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.0863, 0.4426, 0.4098



56.0863, 0.3552, 0.4594



56.0863, 0.1948, 0.2342



56.0863, 0.2594, 0.2250

# Sweetspot

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



56.0864, 0.4426, 0.4098



84.3737, 0.3435, 0.3534



33.8938, 0.4063, 0.2559



17.5626, 0.3492, 0.3576



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.



56.0864, 0.4426, 0.4098



49.9492, 0.4742, 0.4192



93.2587, 0.3960, 0.4706



19.5792, 0.3281, 0.3416



20.4658, 0.5324, 0.4155



2.2115, 0.5160, 0.4285



# Inverse Universe

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



40.3134, 0.2156, 0.2248



32.9586, 0.1991, 0.1997



19.6969, 0.1968, 0.1357



18.7873, 0.2979, 0.3161



11.0841, 0.1744, 0.1477



1.2958, 0.1803, 0.1690



# Previews

## White Background



This preview shows how the Yxy color 56.0863, 0.4426, 0.4098 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 56.0863, 0.4426, 0.4098 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 56.0863, 0.4426, 0.4098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0863, 0.4426, 0.4098.



This preview shows how white text looks on a background with the Yxy color 56.0863, 0.4426, 0.4098.

# 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

56.0863, 0.4426, 0.4098

### Protanopia

56.3551, 0.3976, 0.4329

### Deuteranopia

55.9607, 0.4297, 0.4197



## Tritanopia

55.9415, 0.3726, 0.3166

# Trichromacy



## Original Color

56.0863, 0.4426, 0.4098

## Protanomaly

56.1488, 0.4133, 0.4252

## Deuteranomaly

55.8316, 0.4344, 0.4163

## Tritanomaly

55.9345, 0.3997, 0.3524

# Monochromacy



## Original Color

56.0863, 0.4426, 0.4098

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.5865, 0.3586, 0.3647

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0863, 0.4426, 0.4098 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, 183, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 102)  
}
```

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, 183, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0863, 0.4426, 0.4098 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, 183, 102) }
```

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

```
.border{ border-color:rgb(255, 183, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0863, 0.4426, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 102) }
```

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

```
.background{ background-color: rgb(255,  
183, 102) }
```

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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