

# Converting Colors

Yxy(56.6961, 0.4491, 0.4213)

Have a look what the booklet for  
Yxy(56.6961, 0.4491, 0.4213)  
contains.

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# Color

**Yxy(56.6961, 0.4491, 0.4213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB95A
RGB	255, 185, 90
RGB Percent	100%, 73%, 35%
CMY	0.0000, 0.2745, 0.6469
CMYK	0.00, 0.27, 0.65, 0.00
HSL	35°, 100%, 68%
HSV	35°, 65%, 100%
XYZ	60.4373, 56.6961, 17.4408
YIQ	195.1000, 72.2150, -14.7050

# Conversions

## Conversions Part 2

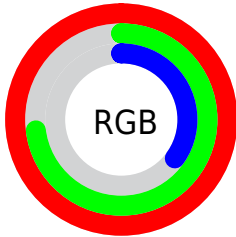
Format	Color
R <sub>Y</sub> B	212, 255, 90
Decimal	16759130
CIE Lab	80.01, 16.13, 56.91
CIE LCh	80, 59.155, 74.178
Yxy	56.6961, 0.4491, 0.4213
Android (android.graphics.Color)	4294949210 (0xFFFFB95A)
YUV	195.1000, -51.8143, 52.5323
Hunter-Lab	75.2968, 11.5043, 38.9746

# Details

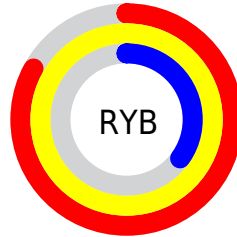
The Yxy color **56.6961, 0.4491, 0.4213** is a light color, and the websafe version is hex **FFCC66**, and the color name is **cape jasmine or gardenia (kuchinashi)**. The color can be described as light muted orange. A complement of this color would be **34.5530, 0.2064, 0.2046**, and the grayscale version is **54.9220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1538, 0.3838, 0.4258**, and **28.1054, 0.4781, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **51.9789, 0.4729, 0.4286**, and if you desaturate by 10%, it is **61.9108, 0.4245, 0.4102**.

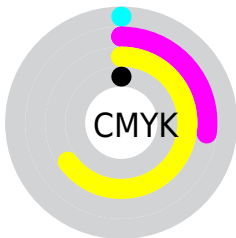
# Distribution



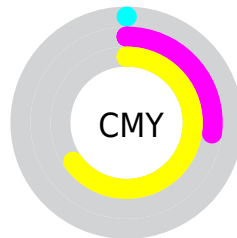
- Red (100%)
- Green (73%)
- Blue (35%)



- Red (83%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (27%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6961, 0.4491, 0.4213 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 56.6961, 0.4491, 0.4213 by changing the saturation by 10% instead.





 56.6961, 0.4491,  
0.4213


 56.6961, 0.4491,  
0.4213

412.3096, 0.3859,  
0.3824


 40.7613, 0.4626,  
0.4283


 100.0216, 0.4277,  
0.4091


 28.1326, 0.4784,  
0.4357


 128.1811, 0.4192,  
0.4040

 18.4257, 0.4968,  
0.4430


 161.1843, 0.4118,  
0.3994

 11.2560, 0.5177,  
0.4486

 199.4156, 0.4053,  
0.3952

 6.2393, 0.5458,  
0.4542

243.2594, 0.3996,  
0.3915

 2.9911, 0.5611,  
0.4389

293.1001, 0.3945,

 1.1271, 0.5872,

0.3882

0.4128

349.3220, 0.3899,  
0.3852

0.0009, 0.9977,  
0.0023

0.0000, 0.0000,  
0.0000

56.6961, 0.4491,  
0.4213

56.6961, 0.4491,  
0.4213

51.9789, 0.4729,  
0.4286

61.9108, 0.4245,  
0.4102

47.7296, 0.4945,  
0.4310

67.6381, 0.4002,  
0.3965

43.9228, 0.5127,  
0.4279

73.8993, 0.3773,  
0.3814

42.0627, 0.5211,  
0.4244

80.7123, 0.3562,  
0.3658

■ 88.0940, 0.3371,  
0.3504

■ 96.0603, 0.3200,  
0.3356

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.



56.6961, 0.4658, 0.3656



56.6961, 0.4491, 0.4213



56.6961, 0.3958, 0.4634

# Triad

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



56.6961, 0.4491, 0.4213



56.6961, 0.2020, 0.3324



56.6961, 0.2857, 0.2261

# Complementary

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



56.6961, 0.4491, 0.4213



34.5530, 0.2064, 0.2046

# 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.



56.6961, 0.2237, 0.2122



56.6961, 0.4491, 0.4213



56.6961, 0.1804, 0.2625

# Square

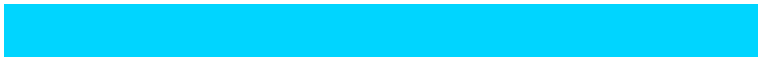
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.6961, 0.4491, 0.4213



56.6961, 0.2530, 0.4149



56.6961, 0.1881, 0.2229



56.6961, 0.3645, 0.2605



# Rectangle

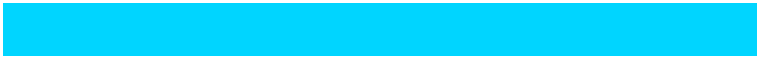
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6961, 0.4491, 0.4213



56.6961, 0.3488, 0.4717



56.6961, 0.1881, 0.2229



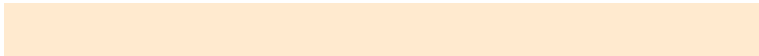
56.6961, 0.2624, 0.2190

# Sweetspot

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



56.6981, 0.4491, 0.4213



84.8397, 0.3451, 0.3570



31.1721, 0.4288, 0.2602



17.7099, 0.3506, 0.3614



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.



56.6981, 0.4491, 0.4213



50.5205, 0.4804, 0.4300



91.4926, 0.3947, 0.4820



19.7236, 0.3280, 0.3427



22.2809, 0.5190, 0.4261

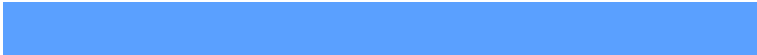


2.3860, 0.5045, 0.4376



# Inverse Universe

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



34.5530, 0.2064, 0.2046



26.9670, 0.1887, 0.1747



17.3095, 0.1922, 0.1228



18.6448, 0.2979, 0.3149



9.6807, 0.1703, 0.1331



1.1536, 0.1765, 0.1552



# Previews

## White Background



This preview shows how the Yxy color 56.6961, 0.4491, 0.4213 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 56.6961, 0.4491, 0.4213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

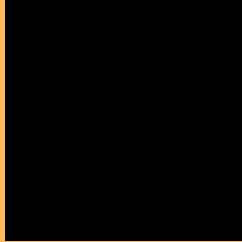
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6961, 0.4491, 0.4213**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6961, 0.4491, 0.4213.



This preview shows how white text looks on a background with the Yxy color 56.6961, 0.4491, 0.4213.

# 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

56.6961, 0.4491, 0.4213

### Protanopia

56.8706, 0.4070, 0.4455

### Deuteranopia

56.7093, 0.4393, 0.4294



## Tritanopia

56.7749, 0.3712, 0.3177

# Trichromacy



## Original Color

56.6961, 0.4491, 0.4213

## Protanomaly

56.6975, 0.4222, 0.4362

## Deuteranomaly

56.8274, 0.4425, 0.4273

## Tritanomaly

56.6077, 0.4024, 0.3586

# Monochromacy



## Original Color

56.6961, 0.4491, 0.4213

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.4476, 0.3619, 0.3694

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6961, 0.4491, 0.4213 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, 185, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 90)  
}
```

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, 185, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6961, 0.4491, 0.4213 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, 185, 90) }
```

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

```
.border{ border-color:rgb(255, 185, 90) }
```

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

Here you see how a box with a 4 pixel rgb(255, 185, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6961, 0.4491, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 90) }
```

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

```
.background{ background-color: rgb(255,  
185, 90) }
```

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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