

# Converting Colors

$Yxy(53.5687, 0.4655, 0.4275)$

Have a look what the booklet for  
Yxy(53.5687, 0.4655, 0.4275)  
contains.

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# Color

**Yxy(53.5687, 0.4655, 0.4275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB248
RGB	255, 178, 72
RGB Percent	100%, 70%, 28%
CMY	0.0000, 0.3019, 0.7174
CMYK	0.00, 0.30, 0.72, 0.00
HSL	35°, 100%, 64%
HSV	35°, 72%, 100%
XYZ	58.3304, 53.5687, 13.4078
YIQ	188.9390, 79.9180, -16.6420

# Conversions

## Conversions Part 2

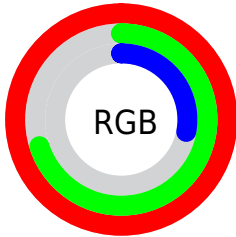
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 255, 72
Decimal	16757320
CIE <sub>Lab</sub>	78.21, 18.83, 62.93
CIE <sub>LCh</sub>	78, 65.685, 73.345
Yxy	53.5687, 0.4655, 0.4275
Android (android.graphics.Color)	4294947400 (0xFFFFB248)
YUV	188.9390, -57.6509, 57.9355
Hunter-Lab	73.1906, 14.1746, 40.3721

# Details

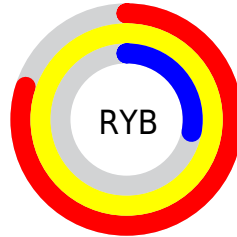
The Yxy color **53.5687, 0.4655, 0.4275** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.1129, 0.1963, 0.1878**, and the grayscale version is **51.1594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6120, 0.3967, 0.4350**, and **26.0222, 0.4970, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **49.1992, 0.4877, 0.4315**, and if you desaturate by 10%, it is **58.4157, 0.4414, 0.4189**.

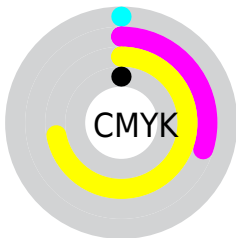
# Distribution



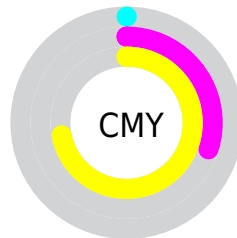
- Red (100%)
- Green (70%)
- Blue (28%)



- Red (80%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (30%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5687, 0.4655, 0.4275 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 53.5687, 0.4655, 0.4275 by changing the saturation by 10% instead.





 53.5687, 0.4655,  
0.4275


 53.5687, 0.4655,  
0.4275


400.4632, 0.3951,  
0.3874


 38.2570, 0.4801,  
0.4340


 95.4407, 0.4420,  
0.4155


 26.1822, 0.4968,  
0.4403


 122.7697, 0.4325,  
0.4102


 16.9600, 0.5157,  
0.4453


 154.8733, 0.4242,  
0.4054

 10.2060, 0.5403,  
0.4506

 192.1358, 0.4169,  
0.4011

 5.5357, 0.5577,  
0.4423

 234.9417, 0.4105,  
0.3972

 2.5649, 0.5768,  
0.4232

283.6752, 0.4048,

 0.9090, 0.6099,

0.3936

0.3901

338.7210, 0.3997,  
0.3904

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.5687, 0.4655,  
0.4275

53.5687, 0.4655,  
0.4275

49.1992, 0.4877,  
0.4315

58.4157, 0.4414,  
0.4189

45.2731, 0.5068,  
0.4301

63.7546, 0.4170,  
0.4068

42.3370, 0.5201,  
0.4253

69.6085, 0.3932,  
0.3925

75.9959, 0.3708,  
0.3771

82.9345, 0.3503,  
0.3614

90.4404, 0.3318,  
0.3461

98.5294, 0.3154,  
0.3315

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.5687, 0.4847, 0.3653



53.5687, 0.4655, 0.4275



53.5687, 0.4055, 0.4783

# Triad

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



53.5687, 0.4655, 0.4275



53.5687, 0.1901, 0.3343



53.5687, 0.2795, 0.2144

# Complementary

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



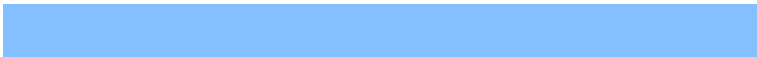
53.5687, 0.4655, 0.4275



30.1129, 0.1963, 0.1878

# 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.



53.5687, 0.2119, 0.1997



53.5687, 0.4655, 0.4275



53.5687, 0.1664, 0.2549

# Square

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



53.5687, 0.4655, 0.4275



53.5687, 0.2466, 0.4299



53.5687, 0.1742, 0.2113



53.5687, 0.3682, 0.2514



# Rectangle

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



53.5687, 0.4655, 0.4275



53.5687, 0.3532, 0.4914



53.5687, 0.1742, 0.2113



53.5687, 0.2539, 0.2069

# Sweetspot

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



53.5714, 0.4655, 0.4275



82.7489, 0.3508, 0.3618



28.1480, 0.4487, 0.2569



17.2979, 0.3562, 0.3661



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.



53.5714, 0.4655, 0.4275



47.4750, 0.4963, 0.4316



91.0037, 0.3998, 0.4929



19.7346, 0.3280, 0.3428



22.4252, 0.5180, 0.4269

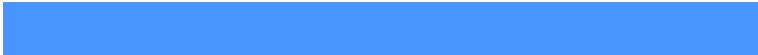


2.3998, 0.5036, 0.4383



# Inverse Universe

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



30.1129, 0.1963, 0.1878



23.0270, 0.1800, 0.1565



13.7605, 0.1797, 0.1028



18.6342, 0.2979, 0.3149



9.5820, 0.1700, 0.1321



1.1434, 0.1762, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 53.5687, 0.4655, 0.4275 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 53.5687, 0.4655, 0.4275 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 53.5687, 0.4655, 0.4275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5687, 0.4655, 0.4275.



This preview shows how white text looks on a background with the Yxy color 53.5687, 0.4655, 0.4275.

# 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

53.5687, 0.4655, 0.4275

### Protanopia

53.7183, 0.4167, 0.4573

### Deuteranopia

53.6004, 0.4508, 0.4404



## Tritanopia

53.3456, 0.3808, 0.3176

# Trichromacy



**Original Color**

53.5687, 0.4655, 0.4275

**Protanomaly**

53.2974, 0.4346, 0.4464

**Deuteranomaly**

53.6850, 0.4561, 0.4355

**Tritanomaly**

53.0702, 0.4169, 0.3628

# Monochromacy



**Original Color**

53.5687, 0.4655, 0.4275

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.9194, 0.3694, 0.3764

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5687, 0.4655, 0.4275 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, 178, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 72)  
}
```

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, 178, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 72) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5687, 0.4655, 0.4275 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, 178, 72) }
```

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

```
.border{ border-color:rgb(255, 178, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
72) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5687, 0.4655, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 72) }
```

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

```
.background{ background-color: rgb(255,  
178, 72) }
```

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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