

# Converting Colors

Yxy(53.6409, 0.4576, 0.4177)

Have a look what the booklet for  
Yxy(53.6409, 0.4576, 0.4177)  
contains.

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# Color

**Yxy(53.7727, 0.4572, 0.4178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB256
RGB	255, 178, 86
RGB Percent	100%, 70%, 34%
CMY	0.0000, 0.3020, 0.6626
CMYK	0.00, 0.30, 0.66, 0.00
HSL	33°, 100%, 67%
HSV	33°, 66%, 100%
XYZ	58.8437, 53.7727, 16.0881
YIQ	190.5350, 75.4240, -12.2880

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 255, 86
Decimal	16757334
CIE <sub>Lab</sub>	78.33, 19.55, 56.90
CIE <sub>LCh</sub>	78, 60.169, 71.035
Yxy	53.7727, 0.4572, 0.4178
Android (android.graphics.Color)	4294947414 (0xFFFFB256)
YUV	190.5350, -51.5358, 56.5358
Hunter-Lab	73.3299, 14.9103, 38.3231

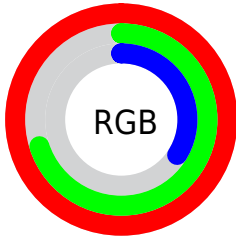
# Details

The Yxy color **53.7727, 0.4572, 0.4178** is a light color, and the websafe version is hex **FFCC66**.

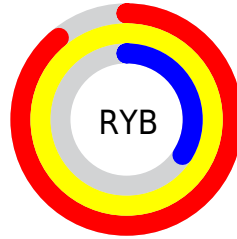
The color can be described as light muted orange. A complement of this color would be **35.4052, 0.2058, 0.2083**, and the grayscale version is **52.0900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9697, 0.3891, 0.4235**, and **26.2464, 0.4892, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **49.0031, 0.4823, 0.4237**, and if you desaturate by 10%, it is **59.0827, 0.4313, 0.4079**.

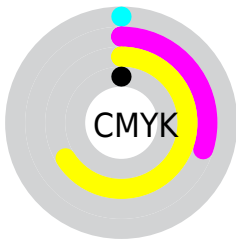
# Distribution



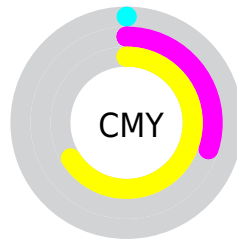
- Red (100%)
- Green (70%)
- Blue (34%)



- Red (89%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (30%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7727, 0.4572, 0.4178 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 53.7727, 0.4572, 0.4178 by changing the saturation by 10% instead.




 53.7727, 0.4572,  
0.4178

 53.7727, 0.4572,  
0.4178


401.2427, 0.3895,  
0.3810

 38.4200, 0.4717,  
0.4241


 95.7404, 0.4342,  
0.4065


 26.3088, 0.4889,  
0.4306


 123.1242, 0.4251,  
0.4016

 17.0548, 0.5088,  
0.4363


 155.2871, 0.4171,  
0.3972

 10.2736, 0.5323,  
0.4402

 192.6136, 0.4102,  
0.3933

 5.5807, 0.5601,  
0.4399

235.4880, 0.4041,  
0.3897

 2.5918, 0.5797,  
0.4203

284.2947, 0.3987,

 0.9226, 0.6135,

0.3865

0.3865

339.4181, 0.3938,  
0.3836

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.7727, 0.4572,  
0.4178

53.7727, 0.4572,  
0.4178

49.0031, 0.4823,  
0.4237

59.0827, 0.4313,  
0.4079

44.7446, 0.5050,  
0.4245

64.9533, 0.4058,  
0.3952

40.9680, 0.5240,  
0.4198

71.4069, 0.3819,  
0.3810

39.6664, 0.5304,  
0.4171

78.4634, 0.3599,  
0.3662

86.1414, 0.3401,  
0.3516

94.4587, 0.3226,  
0.3374

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.



53.7727, 0.4700, 0.3600



53.7727, 0.4572, 0.4178



53.7727, 0.4050, 0.4644

# Triad

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



53.7727, 0.4572, 0.4178



53.7727, 0.2025, 0.3412



53.7727, 0.2769, 0.2206

# Complementary

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



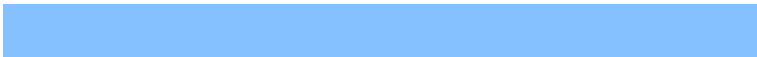
53.7727, 0.4572, 0.4178



35.4052, 0.2058, 0.2083

# 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.



53.7727, 0.2157, 0.2087



53.7727, 0.4572, 0.4178



53.7727, 0.1774, 0.2662

# Square

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



53.7727, 0.4572, 0.4178



53.7727, 0.2577, 0.4262



53.7727, 0.1823, 0.2223



53.7727, 0.3575, 0.2539



# Rectangle

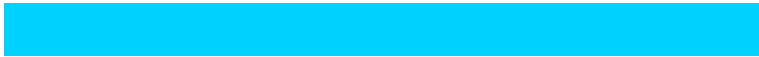
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.7727, 0.4572, 0.4178



53.7727, 0.3574, 0.4771



53.7727, 0.1823, 0.2223



53.7727, 0.2536, 0.2140

# Sweetspot

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



53.7737, 0.4572, 0.4178



83.1975, 0.3473, 0.3570



30.6331, 0.4253, 0.2537



17.3463, 0.3528, 0.3611



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.



53.7737, 0.4572, 0.4178



47.3528, 0.4911, 0.4247



92.3998, 0.3999, 0.4821



19.6256, 0.3281, 0.3419



21.0291, 0.5281, 0.4189

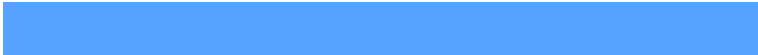


2.2661, 0.5123, 0.4315



# Inverse Universe

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



35.4052, 0.2058, 0.2083



27.8590, 0.1887, 0.1790



16.1387, 0.1863, 0.1167



18.7414, 0.2979, 0.3157



10.6137, 0.1730, 0.1429



1.2485, 0.1790, 0.1645



# Previews

## White Background



This preview shows how the Yxy color 53.7727, 0.4572, 0.4178 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 53.7727, 0.4572, 0.4178 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 53.7727, 0.4572, 0.4178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7727, 0.4572, 0.4178.



This preview shows how white text looks on a background with the Yxy color 53.7727, 0.4572, 0.4178.

# 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

53.7727, 0.4572, 0.4178

### Protanopia

53.7860, 0.4077, 0.4457

### Deuteranopia

54.0388, 0.4412, 0.4317



## Tritanopia

53.7632, 0.3796, 0.3176

# Trichromacy



**Original Color**

53.7727, 0.4572, 0.4178

**Protanomaly**

53.5107, 0.4264, 0.4352

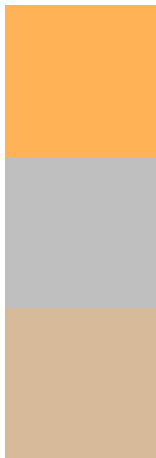
**Deuteranomaly**

53.7046, 0.4472, 0.4260

**Tritanomaly**

53.6387, 0.4110, 0.3576

# Monochromacy



**Original Color**

53.7727, 0.4572, 0.4178

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

51.7139, 0.3641, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7727, 0.4572, 0.4178 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7727, 0.4572, 0.4178 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, 86) }
```

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

```
.border{ border-color:rgb(255, 178, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7727, 0.4572, 0.4178 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, 86) }
```

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

```
.background{ background-color: rgb(255,  
178, 86) }
```

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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