

# Converting Colors

Yxy(53.2184, 0.4746, 0.4373)

Have a look what the booklet for  
Yxy(53.2184, 0.4746, 0.4373)  
contains.

<b>Yxy(53.3671, 0.4742, 0.4377)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.3671, 0.4742, 0.4377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB236
RGB	255, 178, 54
RGB Percent	100%, 70%, 21%
CMY	0.0001, 0.3019, 0.7883
CMYK	0.00, 0.30, 0.79, 0.00
HSL	37°, 100%, 61%
HSV	37°, 79%, 100%
XYZ	57.8174, 53.3671, 10.7417
YIQ	186.8870, 85.6960, -22.2400

# Conversions

## Conversions Part 2

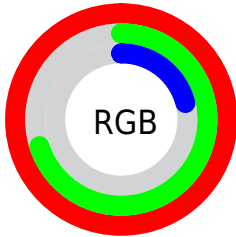
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">179, 255, 54</a>
Decimal	<a href="#">16757302</a>
CIELab	<a href="#">78.09, 18.09, 69.81</a>
CIElCh	<a href="#">78, 72.118, 75.475</a>
Yxy	<a href="#">53.3671, 0.4742, 0.4377</a>
Android (android.graphics.Color)	<a href="#">4294947382</a> (0xFFFFB236)
YUV	<a href="#">186.8870, -65.5133, 59.7351</a>
Hunter-Lab	<a href="#">73.0528, 13.4309, 42.4189</a>

# Details

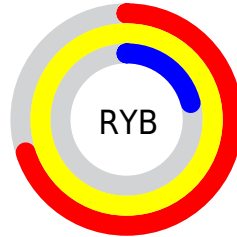
The Yxy color **53.3671, 0.4742, 0.4377** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **24.2170, 0.1849, 0.1618**, and the grayscale version is **49.9680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2314, 0.4054, 0.4481**, and **26.0047, 0.4987, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **49.4418, 0.4925, 0.4388**, and if you desaturate by 10%, it is **57.6997, 0.4531, 0.4315**.

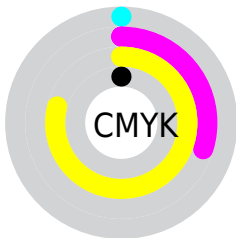
# Distribution



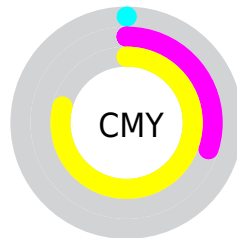
- Red (100%)
- Green (70%)
- Blue (21%)



- Red (70%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (30%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3671, 0.4742, 0.4377 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 53.3671, 0.4742, 0.4377 by changing the saturation by 10% instead.





 53.3671, 0.4742,  
0.4377

 53.3671, 0.4742,  
0.4377

399.6919, 0.4014,  
0.3947


 38.0959, 0.4885,  
0.4441


 95.1443, 0.4504,  
0.4253


 26.0571, 0.5044,  
0.4499


 122.4192, 0.4407,  
0.4196


 16.8664, 0.5216,  
0.4537


 154.4640, 0.4321,  
0.4144

 10.1393, 0.5432,  
0.4568

 191.6632, 0.4245,  
0.4097

 5.4914, 0.5553,  
0.4447

 234.4012, 0.4177,  
0.4054

 2.5384, 0.5738,  
0.4262

283.0624, 0.4117,

 0.8958, 0.6061,

0.4015

0.3939

338.0312, 0.4062,  
0.3979

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.3671, 0.4742,  
0.4377

53.3671, 0.4742,  
0.4377

49.4418, 0.4925,  
0.4388

57.6997, 0.4531,  
0.4315


45.8848, 0.5074,  
0.4347


62.4541, 0.4305,  
0.4209

45.4872, 0.5090,  
0.4340

67.6530, 0.4074,  
0.4073

73.3144, 0.3850,  
0.3917

 79.4548, 0.3638,  
0.3752

 86.0896, 0.3444,  
0.3587

 93.2332, 0.3267,  
0.3426

99.9939, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.3671, 0.5010, 0.3705



53.3671, 0.4742, 0.4377



53.3671, 0.4057, 0.4939

# Triad

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



53.3671, 0.4742, 0.4377



53.3671, 0.1764, 0.3263



53.3671, 0.2823, 0.2076

# Complementary

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



53.3671, 0.4742, 0.4377



24.2170, 0.1849, 0.1618

# 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.



53.3671, 0.2074, 0.1899



53.3671, 0.4742, 0.4377



53.3671, 0.1546, 0.2425

# Square

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



53.3671, 0.4742, 0.4377



53.3671, 0.2342, 0.4342



53.3671, 0.1653, 0.1994



53.3671, 0.3802, 0.2484



# Rectangle

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



53.3671, 0.4742, 0.4377



53.3671, 0.3483, 0.5081



53.3671, 0.1653, 0.1994



53.3671, 0.2538, 0.1989

# Sweetspot

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



53.3698, 0.4742, 0.4377



82.6171, 0.3542, 0.3672



25.5308, 0.4852, 0.2656



17.1848, 0.3613, 0.3731



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.



53.3698, 0.4742, 0.4377



47.2185, 0.5020, 0.4367



88.8414, 0.3966, 0.5066



19.8540, 0.3279, 0.3436



24.0725, 0.5071, 0.4355

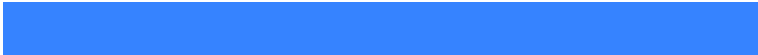


2.5553, 0.4944, 0.4456



# Inverse Universe

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



24.2170, 0.1849, 0.1618



17.5083, 0.1695, 0.1273



11.4512, 0.1734, 0.0884



18.5177, 0.2979, 0.3139



8.5668, 0.1669, 0.1209



1.0375, 0.1732, 0.1433



# Previews

## White Background



This preview shows how the Yxy color 53.3671, 0.4742, 0.4377 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 53.3671, 0.4742, 0.4377 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 53.3671, 0.4742, 0.4377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3671, 0.4742, 0.4377.



This preview shows how white text looks on a background with the Yxy color 53.3671, 0.4742, 0.4377.

# 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

53.3671, 0.4742, 0.4377

### Protanopia

53.6408, 0.4266, 0.4701

### Deuteranopia

53.5836, 0.4598, 0.4502



## Tritanopia

53.3456, 0.3808, 0.3176

# Trichromacy



**Original Color**

53.3671, 0.4742, 0.4377

**Protanomaly**

53.2508, 0.4441, 0.4577

**Deuteranomaly**

53.4871, 0.4645, 0.4458

**Tritanomaly**

52.8964, 0.4223, 0.3689

# Monochromacy



**Original Color**

53.3671, 0.4742, 0.4377

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.1421, 0.3748, 0.3839

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3671, 0.4742, 0.4377 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3671, 0.4742, 0.4377 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, 54) }
```

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

```
.border{ border-color:rgb(255, 178, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3671, 0.4742, 0.4377 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, 54) }
```

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

```
.background{ background-color: rgb(255,  
178, 54) }
```

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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