

# Converting Colors

Yxy(54.7063, 0.4722, 0.4420)

Have a look what the booklet for  
Yxy(54.7063, 0.4722, 0.4420)  
contains.

<b>Yxy(54.5468, 0.4726, 0.4417)</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(54.5468, 0.4726, 0.4417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB533
RGB	255, 181, 51
RGB Percent	100%, 71%, 20%
CMY	0.0000, 0.2902, 0.8000
CMYK	0.00, 0.29, 0.80, 0.00
HSL	38°, 100%, 60%
HSV	38°, 80%, 100%
XYZ	58.3627, 54.5468, 10.5833
YIQ	188.3060, 85.8340, -24.7420

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">167, 255, 51</a>
Decimal	<a href="#">16758067</a>
<a href="#">CIELab</a>	<a href="#">78.78, 16.45, 71.46</a>
<a href="#">CIELCh</a>	<a href="#">79, 73.325, 77.037</a>
<a href="#">Yxy</a>	<a href="#">54.5468, 0.4726, 0.4417</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294948147 (0xFFFFB533)</a>
<a href="#">YUV</a>	<a href="#">188.3060, -67.6919, 58.4906</a>
<a href="#">Hunter-Lab</a>	<a href="#">73.8558, 11.8076, 43.2030</a>

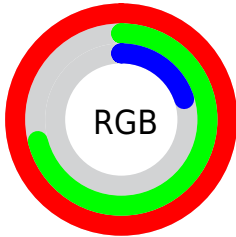
# Details

The Yxy color **54.5468, 0.4726, 0.4417** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed orange. A complement of this color would be **22.5884, 0.1821, 0.1538**, and the grayscale version is **50.8294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9111, 0.4047, 0.4520**, and **26.7758, 0.4945, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **50.7445, 0.4895, 0.4426**, and if you desaturate by 10%, it is **58.7258, 0.4527, 0.4356**.

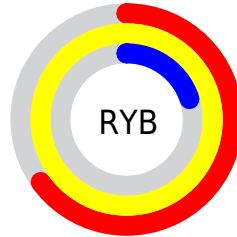
# Distribution



Red (100%)

Green (71%)

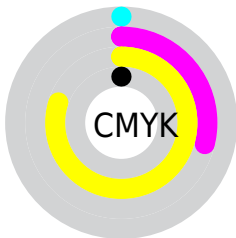
Blue (20%)



Red (65%)

Yellow (100%)

Blue (20%)

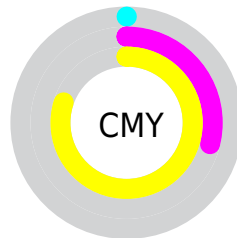


Cyan (0%)

Magenta (29%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5468, 0.4726, 0.4417 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 54.5468, 0.4726, 0.4417 by changing the saturation by 10% instead.





 54.5468, 0.4726,  
0.4417

 54.5468, 0.4726,  
0.4417


404.1917, 0.4012,  
0.3970

 39.0390, 0.4864,  
0.4484


 96.8766, 0.4495,  
0.4287


 26.7901, 0.5016,  
0.4545


 124.4674, 0.4400,  
0.4229

 17.4156, 0.5178,  
0.4589


 156.8547, 0.4315,  
0.4175

 10.5313, 0.5377,  
0.4623

 194.4228, 0.4240,  
0.4126

 5.7526, 0.5485,  
0.4515

 237.5562, 0.4174,  
0.4082

 2.6952, 0.5650,  
0.4350

 286.6392, 0.4114,

 0.9748, 0.5936,

0.4041

342.0562, 0.4060,  
0.4004

0.4064

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.5468, 0.4726,  
0.4417

54.5468, 0.4726,  
0.4417

50.7445, 0.4895,  
0.4426

58.7258, 0.4527,  
0.4356

47.2801, 0.5033,  
0.4386

63.2980, 0.4311,  
0.4252

68.2847, 0.4087,  
0.4114

73.7033, 0.3867,  
0.3956

■ 79.5697, 0.3658,  
0.3787

■ 85.8985, 0.3464,  
0.3616

■ 92.7037, 0.3287,  
0.3449

99.9985, 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.



54.5468, 0.5026, 0.3740



54.5468, 0.4726, 0.4417



54.5468, 0.4019, 0.4973

# Triad

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



54.5468, 0.4726, 0.4417



54.5468, 0.1733, 0.3208



54.5468, 0.2867, 0.2083

# Complementary

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



54.5468, 0.4726, 0.4417



22.5884, 0.1821, 0.1538

# 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.



54.5468, 0.2097, 0.1892



54.5468, 0.4726, 0.4417



54.5468, 0.1532, 0.2384

# Square

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



54.5468, 0.4726, 0.4417



54.5468, 0.2295, 0.4299



54.5468, 0.1656, 0.1971



54.5468, 0.3860, 0.2504



# Rectangle

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



54.5468, 0.4726, 0.4417



54.5468, 0.3437, 0.5096



54.5468, 0.1656, 0.1971



54.5468, 0.2576, 0.1992

# Sweetspot

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



54.5487, 0.4726, 0.4417



83.3118, 0.3539, 0.3684



25.1283, 0.4944, 0.2691



17.3523, 0.3609, 0.3745



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.



54.5487, 0.4726, 0.4417



48.6305, 0.4980, 0.4406



88.2201, 0.3946, 0.5097



19.9176, 0.3278, 0.3441



24.9987, 0.5015, 0.4400



2.6418, 0.4896, 0.4494



# Inverse Universe

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



22.5884, 0.1821, 0.1538



16.2080, 0.1672, 0.1197



11.2152, 0.1733, 0.0868



18.4563, 0.2979, 0.3134



8.0744, 0.1654, 0.1153



0.9850, 0.1716, 0.1377



# Previews

## White Background



This preview shows how the Yxy color 54.5468, 0.4726, 0.4417 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 54.5468, 0.4726, 0.4417 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 54.5468, 0.4726, 0.4417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5468, 0.4726, 0.4417.



This preview shows how white text looks on a background with the Yxy color 54.5468, 0.4726, 0.4417.

# 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

54.5468, 0.4726, 0.4417

### Protanopia

54.8158, 0.4278, 0.4724

### Deuteranopia

54.5125, 0.4624, 0.4509



## Tritanopia

54.6078, 0.3771, 0.3176

# Trichromacy



## Original Color

54.5468, 0.4726, 0.4417

## Protanomaly

54.6838, 0.4435, 0.4613

## Deuteranomaly

54.6510, 0.4654, 0.4479

## Tritanomaly

54.0882, 0.4198, 0.3710

# Monochromacy



## Original Color

54.5468, 0.4726, 0.4417

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.5300, 0.3752, 0.3862

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5468, 0.4726, 0.4417 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, 181, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 51)  
}
```

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, 181, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5468, 0.4726, 0.4417 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, 181, 51) }
```

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

```
.border{ border-color:rgb(255, 181, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5468, 0.4726, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 51) }
```

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

```
.background{ background-color: rgb(255,  
181, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor