

# Converting Colors

Yxy(51.9101, 0.4781, 0.4347)

Have a look what the booklet for  
Yxy(51.9101, 0.4781, 0.4347)  
contains.

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# **Color**

**Yxy(51.7891, 0.4785, 0.4346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAE35
RGB	255, 174, 53
RGB Percent	100%, 68%, 21%
CMY	0.0000, 0.3176, 0.7923
CMYK	0.00, 0.32, 0.79, 0.00
HSL	36°, 100%, 60%
HSV	36°, 79%, 100%
XYZ	57.0204, 51.7891, 10.3554
YIQ	184.4250, 87.1170, -20.4590

# Conversions

## Conversions Part 2

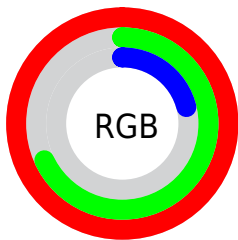
Format	Color
<a href="#">RYB</a>	<a href="#">188, 255, 53</a>
Decimal	<a href="#">16756277</a>
CIELab	<a href="#">77.15, 20.17, 69.32</a>
CIELCh	<a href="#">77, 72.194, 73.777</a>
Yxy	<a href="#">51.7891, 0.4785, 0.4346</a>
Android (android.graphics.Color)	<a href="#">4294946357</a> (0xFFFFAE35)
YUV	<a href="#">184.4250, -64.7925, 61.8943</a>
Hunter-Lab	<a href="#">71.9646, 15.4945, 41.8436</a>

# Details

The Yxy color **51.7891, 0.4785, 0.4346** 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 **25.0181, 0.1857, 0.1657**, and the grayscale version is **48.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4027, 0.4087, 0.4449**, and **25.2565, 0.5030, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **47.8136, 0.4975, 0.4350**, and if you desaturate by 10%, it is **56.1922, 0.4566, 0.4289**.

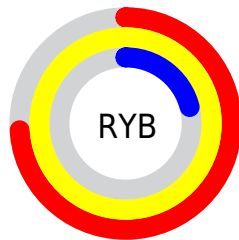
# Distribution



Red (100%)

Green (68%)

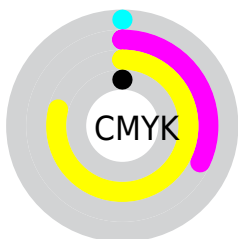
Blue (21%)



Red (74%)

Yellow (100%)

Blue (21%)

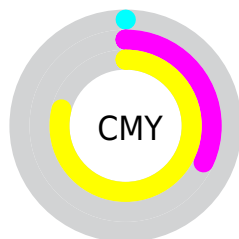


Cyan (0%)

Magenta (32%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7891, 0.4785, 0.4346 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 51.7891, 0.4785, 0.4346 by changing the saturation by 10% instead.





 51.7891, 0.4785,  
0.4346


 51.7891, 0.4785,  
0.4346


393.6219, 0.4032,  
0.3933

 36.8370, 0.4934,  
0.4405


 92.8201, 0.4538,  
0.4228

 25.0813, 0.5101,  
0.4456

 119.6679, 0.4437,  
0.4174


 16.1376, 0.5282,  
0.4485


 151.2496, 0.4348,  
0.4124

 9.6216, 0.5504,  
0.4496

 187.9497, 0.4269,  
0.4079

 5.1488, 0.5642,  
0.4358

 230.1526, 0.4200,  
0.4037

 2.3348, 0.5855,  
0.4145

278.2426, 0.4138,

 0.7921, 0.6237,

0.3999

0.3763

332.6043, 0.4082,  
0.3964

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.7891, 0.4785,  
0.4346

51.7891, 0.4785,  
0.4346

47.8136, 0.4975,  
0.4350

56.1922, 0.4566,  
0.4289

44.2294, 0.5131,  
0.4303


61.0433, 0.4332,  
0.4189

43.9657, 0.5142,  
0.4299

66.3644, 0.4095,  
0.4057

72.1743, 0.3866,  
0.3906

 78.4904, 0.3650,  
0.3746

 85.3289, 0.3453,  
0.3585

 92.7052, 0.3274,  
0.3428

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.



51.7891, 0.5027, 0.3667



51.7891, 0.4785, 0.4346



51.7891, 0.4110, 0.4930

# Triad

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



51.7891, 0.4785, 0.4346



51.7891, 0.1775, 0.3320



51.7891, 0.2768, 0.2049

# Complementary

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



51.7891, 0.4785, 0.4346



25.0181, 0.1857, 0.1657

# 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.



51.7891, 0.2031, 0.1885



51.7891, 0.4785, 0.4346



51.7891, 0.1535, 0.2451

# Square

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



51.7891, 0.4785, 0.4346



51.7891, 0.2375, 0.4412



51.7891, 0.1626, 0.1996



51.7891, 0.3752, 0.2448



# Rectangle

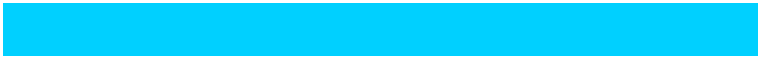
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.7891, 0.4785, 0.4346



51.7891, 0.3535, 0.5101



51.7891, 0.1626, 0.1996



51.7891, 0.2487, 0.1966

# Sweetspot

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



51.7902, 0.4785, 0.4346



81.9981, 0.3545, 0.3662



25.6143, 0.4759, 0.2591



17.0358, 0.3616, 0.3719



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.



51.7902, 0.4785, 0.4346



45.7002, 0.5068, 0.4328



89.9824, 0.4014, 0.5037



19.7972, 0.3279, 0.3432



23.2733, 0.5123, 0.4315



2.4801, 0.4988, 0.4422



# Inverse Universe

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



25.0181, 0.1857, 0.1657



18.4281, 0.1709, 0.1325



11.0588, 0.1699, 0.0861



18.5730, 0.2979, 0.3144



9.0351, 0.1684, 0.1261



1.0867, 0.1746, 0.1485



# Previews

## White Background



This preview shows how the Yxy color 51.7891, 0.4785, 0.4346 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 51.7891, 0.4785, 0.4346 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 51.7891, 0.4785, 0.4346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7891, 0.4785, 0.4346.



This preview shows how white text looks on a background with the Yxy color 51.7891, 0.4785, 0.4346.

# 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

51.7891, 0.4785, 0.4346

### Protanopia

51.8532, 0.4268, 0.4699

### Deuteranopia

51.8033, 0.4609, 0.4502



## Tritanopia

51.7068, 0.3859, 0.3176

# Trichromacy



**Original Color**

51.7891, 0.4785, 0.4346

**Protanomaly**

51.6415, 0.4455, 0.4567

**Deuteranomaly**

51.4923, 0.4675, 0.4444

**Tritanomaly**

51.3019, 0.4272, 0.3678

# Monochromacy



**Original Color**

51.7891, 0.4785, 0.4346

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.1217, 0.3771, 0.3833

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7891, 0.4785, 0.4346 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, 174, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 53)  
}
```

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, 174, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7891, 0.4785, 0.4346 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, 174, 53) }
```

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

```
.border{ border-color:rgb(255, 174, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7891, 0.4785, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 53) }
```

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

```
.background{ background-color: rgb(255,  
174, 53) }
```

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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