

# Converting Colors

$Y_{xy}(58.9800, 0.4615, 0.3835)$

Have a look what the booklet for  
Yxy(58.9800, 0.4615, 0.3835)  
contains.

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# Color

**Yxy(53.1577, 0.4382, 0.3904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF73
RGB	255, 175, 115
RGB Percent	100%, 69%, 45%
CMY	0.0000, 0.3137, 0.5490
CMYK	0.00, 0.31, 0.55, 0.00
HSL	26°, 100%, 73%
HSV	26°, 55%, 100%
XYZ	59.6663, 53.1577, 23.3382
YIQ	192.0800, 66.9400, -1.7000

# Conversions

## Conversions Part 2

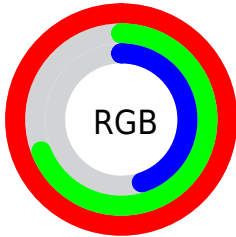
Format	Color
<a href="#">RYB</a>	<a href="#">255, 220, 115</a>
Decimal	<a href="#">16756595</a>
CIELab	<a href="#">77.97, 23.09, 42.32</a>
CIELCh	<a href="#">78, 48.209, 61.387</a>
Yxy	<a href="#">53.1577, 0.4382, 0.3904</a>
Android (android.graphics.Color)	<a href="#">4294946675</a> ( <a href="#">0xFFFFAF73</a> )
YUV	<a href="#">192.0800, -38.0004, 55.1808</a>
Hunter-Lab	<a href="#">72.9093, 18.4864, 32.0579</a>

# Details

The Yxy color **53.1577, 0.4382, 0.3904** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.8992, 0.2273, 0.2540**, and the grayscale version is **52.9596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2390, 0.3718, 0.3928**, and **25.9028, 0.4700, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **47.2815, 0.4692, 0.3982**, and if you desaturate by 10%, it is **59.8119, 0.4090, 0.3802**.

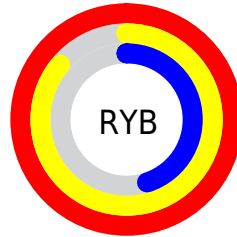
# Distribution



Red (100%)

Green (69%)

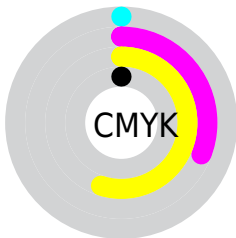
Blue (45%)



Red (100%)

Yellow (86%)

Blue (45%)

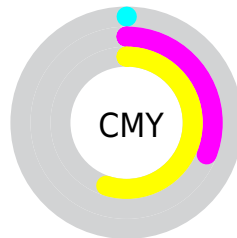


Cyan (0%)

Magenta (31%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1577, 0.4382, 0.3904 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 53.1577, 0.4382, 0.3904 by changing the saturation by 10% instead.





 53.1577, 0.4382,  
0.3904

 53.1577, 0.4382,  
0.3904


398.8899, 0.3775,  
0.3644


 37.9287, 0.4522,  
0.3952


 94.8364, 0.4169,  
0.3821

 25.9273, 0.4695,  
0.4005

 122.0548, 0.4086,  
0.3787

 16.7693, 0.4909,  
0.4057


 154.0385, 0.4016,  
0.3756

 10.0701, 0.5176,  
0.4100

191.1719, 0.3954,  
0.3729

 5.4455, 0.5550,  
0.4136

233.8393, 0.3901,  
0.3704

 2.5109, 0.5959,  
0.4041

282.4252, 0.3854,

 0.8821, 0.6351,

0.3682

0.3649

337.3139, 0.3812,  
0.3662

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.1577, 0.4382,  
0.3904

53.1577, 0.4382,  
0.3904

47.2815, 0.4692,  
0.3982

59.8119, 0.4090,  
0.3802

42.1449, 0.5003,  
0.4022

67.2695, 0.3824,  
0.3688

37.7134, 0.5293,  
0.4012

75.5610, 0.3588,  
0.3569

33.9456, 0.5539,  
0.3947

84.7133, 0.3383,  
0.3453

■ 32.2573, 0.5648,  
0.3898

■ 94.7524, 0.3205,  
0.3342

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.



53.1577, 0.4340, 0.3416



53.1577, 0.4382, 0.3904



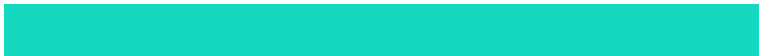
53.1577, 0.4062, 0.4311

# Triad

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



53.1577, 0.4382, 0.3904



53.1577, 0.2353, 0.3620



53.1577, 0.2656, 0.2333

# Complementary

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



53.1577, 0.4382, 0.3904



49.8992, 0.2273, 0.2540

# Split Complementary

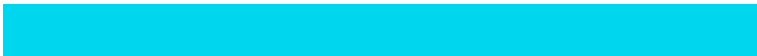
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.1577, 0.2211, 0.2306



53.1577, 0.4382, 0.3904



53.1577, 0.2047, 0.2970

# Square

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



53.1577, 0.4382, 0.3904



53.1577, 0.2881, 0.4221



53.1577, 0.2002, 0.2512



53.1577, 0.3280, 0.2561



# Rectangle

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



53.1577, 0.4382, 0.3904



53.1577, 0.3709, 0.4458



53.1577, 0.2002, 0.2512



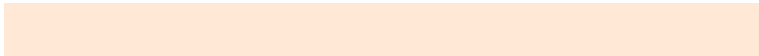
53.1577, 0.2483, 0.2300

# Sweetspot

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



53.1595, 0.4382, 0.3904



83.6613, 0.3404, 0.3466



37.5402, 0.3782, 0.2473



17.4926, 0.3445, 0.3489



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.



53.1595, 0.4382, 0.3904



46.6795, 0.4726, 0.3988



86.7995, 0.3979, 0.4515



19.2671, 0.3284, 0.3392



17.1375, 0.5619, 0.3920



1.8803, 0.5419, 0.4080



# Inverse Universe

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



49.8992, 0.2273, 0.2540



43.0471, 0.2126, 0.2355



25.9610, 0.2087, 0.1659



19.1012, 0.2979, 0.3186



14.7717, 0.1839, 0.1819



1.6553, 0.1890, 0.2002



# Previews

## White Background



This preview shows how the Yxy color 53.1577, 0.4382, 0.3904 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 53.1577, 0.4382, 0.3904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

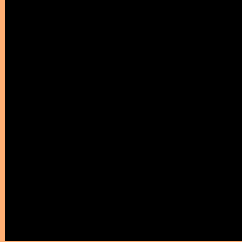
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.1577, 0.4382, 0.3904**

## Background



This preview shows how black text looks on a background with the Yxy color 53.1577, 0.4382, 0.3904.



This preview shows how white text looks on a background with the Yxy color 53.1577, 0.4382, 0.3904.

# 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

53.1577, 0.4382, 0.3904

### Protanopia

53.2467, 0.3826, 0.4143

### Deuteranopia

53.1354, 0.4166, 0.4071



## Tritanopia

52.9721, 0.3811, 0.3166

# Trichromacy



**Original Color**

53.1577, 0.4382, 0.3904

**Protanomaly**

52.6185, 0.4028, 0.4056

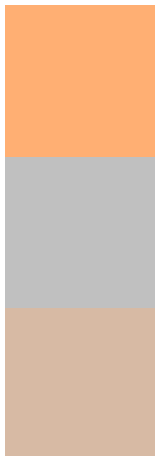
**Deuteranomaly**

53.1399, 0.4239, 0.4010

**Tritanomaly**

52.8201, 0.4031, 0.3440

# Monochromacy



**Original Color**

53.1577, 0.4382, 0.3904

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

52.2452, 0.3557, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1577, 0.4382, 0.3904 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, 175, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 115)  
}
```

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, 175, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1577, 0.4382, 0.3904 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, 175, 115) }
```

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

```
.border{ border-color:rgb(255, 175, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1577, 0.4382, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 115) }
```

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

```
.background{ background-color: rgb(255,  
175, 115) }
```

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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