

# Converting Colors

Yxy(51.5587, 0.4307, 0.3733)

Have a look what the booklet for  
Yxy(51.5587, 0.4307, 0.3733)  
contains.

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# **Color**

**Yxy(51.5680, 0.4302, 0.3728)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFAA80
RGB	255, 170, 128
RGB Percent	100%, 67%, 50%
CMY	0.0001, 0.3333, 0.4979
CMYK	0.00, 0.33, 0.50, 0.00
HSL	20°, 100%, 75%
HSV	20°, 50%, 100%
XYZ	59.5079, 51.5680, 27.2503
YIQ	190.6270, 64.1420, 4.9580

# Conversions

## Conversions Part 2

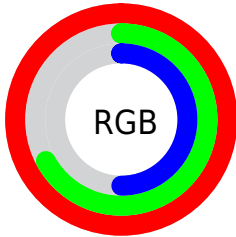
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 191, 128
Decimal	16755328
CIELab	77.02, 26.79, 34.34
CIELCh	77, 43.555, 52.049
Yxy	51.5680, 0.4302, 0.3728
Android (android.graphics.Color)	4294945408 (0xFFFFAA80)
YUV	190.6270, -30.8751, 56.4551
Hunter-Lab	71.8109, 22.2496, 27.7687

# Details

The Yxy color **51.5680, 0.4302, 0.3728** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.4001, 0.2377, 0.2782**, and the grayscale version is **52.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9889, 0.3644, 0.3749**, and **24.8747, 0.4615, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **44.9918, 0.4644, 0.3796**, and if you desaturate by 10%, it is **59.1487, 0.3993, 0.3644**.

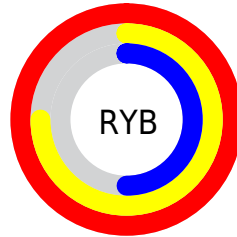
# Distribution



Red (100%)

Green (67%)

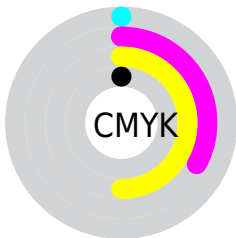
Blue (50%)



Red (100%)

Yellow (75%)

Blue (50%)

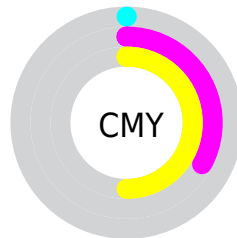


Cyan (0%)

Magenta (33%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5680, 0.4302, 0.3728 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 51.5680, 0.4302, 0.3728 by changing the saturation by 10% instead.





 51.5680, 0.4302,  
0.3728


 51.5680, 0.4302,  
0.3728


392.7666, 0.3724,  
0.3545


 36.6608, 0.4440,  
0.3762


 92.4938, 0.4096,  
0.3670

 24.9450, 0.4612,  
0.3798


 119.2813, 0.4017,  
0.3646

 16.0361, 0.4831,  
0.3833


 150.7976, 0.3950,  
0.3624

 9.5497, 0.5117,  
0.3861

187.4273, 0.3892,  
0.3605

 5.1014, 0.5495,  
0.3857

229.5546, 0.3842,  
0.3587

 2.3069, 0.6146,  
0.3854

277.5640, 0.3798,

 0.7774, 0.6619,

0.3572

0.3381

331.8398, 0.3759,  
0.3557

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.5680, 0.4302,  
0.3728

51.5680, 0.4302,  
0.3728

44.9918, 0.4644,  
0.3796

59.1487, 0.3993,  
0.3644

39.3678, 0.5004,  
0.3835

67.7678, 0.3722,  
0.3552

34.6500, 0.5356,  
0.3833

77.4668, 0.3489,  
0.3460

30.7847, 0.5668,  
0.3781

88.2828, 0.3291,  
0.3372

■ 27.7049, 0.5913,  
0.3685

99.9966, 0.3127,  
0.3290

■ 27.6469, 0.5918,  
0.3683

# Harmonies

## Analogous

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



51.5680, 0.4147, 0.3272



51.5680, 0.4302, 0.3728



51.5680, 0.4108, 0.4133

# Triad

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



51.5680, 0.4302, 0.3728



51.5680, 0.2553, 0.3779



51.5680, 0.2547, 0.2377

# Complementary

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



51.5680, 0.4302, 0.3728



59.4001, 0.2377, 0.2782

# 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.



51.5680, 0.2198, 0.2419



51.5680, 0.4302, 0.3728



51.5680, 0.2196, 0.3176

# Square

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



51.5680, 0.4302, 0.3728



51.5680, 0.3084, 0.4245



51.5680, 0.2076, 0.2687



51.5680, 0.3082, 0.2534



# Rectangle

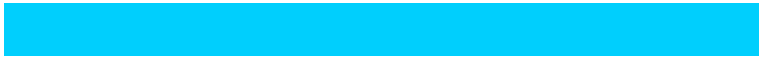
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5680, 0.4302, 0.3728



51.5680, 0.3827, 0.4313



51.5680, 0.2076, 0.2687



51.5680, 0.2407, 0.2368

# Sweetspot

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



51.5706, 0.4302, 0.3728



82.5163, 0.3390, 0.3417



41.5988, 0.3563, 0.2422



17.1803, 0.3433, 0.3436



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.



51.5706, 0.4302, 0.3728



44.8694, 0.4651, 0.3797



80.3651, 0.3967, 0.4313



18.9682, 0.3286, 0.3369



14.6909, 0.5889, 0.3706

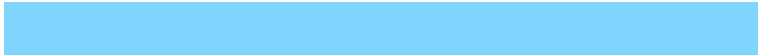


1.6209, 0.5669, 0.3881



# Inverse Universe

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



59.4001, 0.2377, 0.2782



53.4233, 0.2248, 0.2656



34.0429, 0.2223, 0.1988



19.4097, 0.2980, 0.3210



19.2126, 0.1936, 0.2168



2.0711, 0.1975, 0.2311



# Previews

## White Background



This preview shows how the Yxy color 51.5680, 0.4302, 0.3728 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 51.5680, 0.4302, 0.3728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

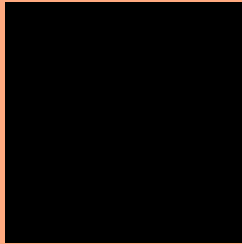
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5680, 0.4302, 0.3728**

## Background



This preview shows how black text looks on a background with the Yxy color 51.5680, 0.4302, 0.3728.



This preview shows how white text looks on a background with the Yxy color 51.5680, 0.4302, 0.3728.

# 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

51.5680, 0.4302, 0.3728

### Protanopia

51.6122, 0.3677, 0.3946

### Deuteranopia

51.6203, 0.4020, 0.3930



## Tritanopia

51.7068, 0.3859, 0.3176

# Trichromacy



**Original Color**

51.5680, 0.4302, 0.3728

**Protanomaly**

51.2762, 0.3894, 0.3865

**Deuteranomaly**

51.5502, 0.4115, 0.3856

**Tritanomaly**

51.4006, 0.4028, 0.3377

# Monochromacy



**Original Color**

51.5680, 0.4302, 0.3728

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

50.9903, 0.3522, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5680, 0.4302, 0.3728 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, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 128)  
}
```

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, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5680, 0.4302, 0.3728 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, 170, 128) }
```

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

```
.border{ border-color:rgb(255, 170, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5680, 0.4302, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 128) }
```

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

```
.background{ background-color: rgb(255,  
170, 128) }
```

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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