

Converting Colors

$Y_{xy}(52.9020, 0.4401, 0.3917)$

Have a look what the booklet for
Yxy(52.9020, 0.4401, 0.3917)
contains.

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Color

Yxy(52.7244, 0.4405, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE71
RGB	255, 174, 113
RGB Percent	100%, 68%, 44%
CMY	0.0000, 0.3176, 0.5570
CMYK	0.00, 0.32, 0.56, 0.00
HSL	26°, 100%, 72%
HSV	26°, 56%, 100%
XYZ	59.3537, 52.7244, 22.6635
YIQ	191.2650, 67.8570, -1.7990

Conversions

Conversions Part 2

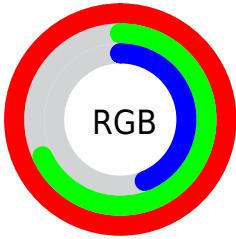
Format	Color
R _Y B	255, 220, 113
Decimal	16756337
CIE Lab	77.71, 23.44, 43.04
CIE LCh	78, 49.014, 61.428
Yxy	52.7244, 0.4405, 0.3913
Android (android.graphics.Color)	4294946417 (0xFFFFAE71)
YUV	191.2650, -38.5846, 55.8956
Hunter-Lab	72.6116, 18.8381, 32.3225

Details

The Yxy color **52.7244, 0.4405, 0.3913** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.2928, 0.2261, 0.2525**, and the grayscale version is **52.4614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6068, 0.3734, 0.3939**, and **25.6357, 0.4730, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **46.9134, 0.4715, 0.3989**, and if you desaturate by 10%, it is **59.3102, 0.4111, 0.3812**.

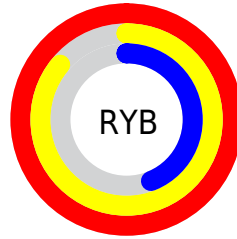
Distribution



Red (100%)

Green (68%)

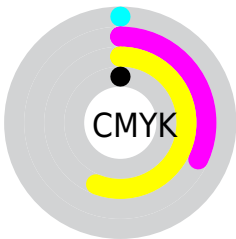
Blue (44%)



Red (100%)

Yellow (86%)

Blue (44%)

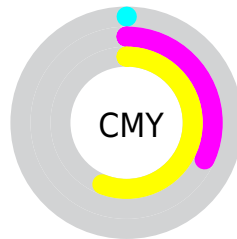


Cyan (0%)

Magenta (32%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7244, 0.4405, 0.3913 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 52.7244, 0.4405, 0.3913 by changing the saturation by 10% instead.


 52.7244, 0.4405,
0.3913

 52.7244, 0.4405,
0.3913


397.2269, 0.3786,
0.3650


 37.5828, 0.4548,
0.3961

 94.1987, 0.4188,
0.3830


 25.6591, 0.4723,
0.4013


 121.3002, 0.4104,
0.3795

 16.5687, 0.4940,
0.4065


 153.1571, 0.4032,
0.3764

 9.9275, 0.5210,
0.4105

 190.1539, 0.3969,
0.3736

 5.3509, 0.5600,
0.4144

232.6748, 0.3915,
0.3711

 2.4546, 0.5982,
0.4018

281.1044, 0.3867,

 0.8538, 0.6386,

0.3688

0.3614

335.8269, 0.3824,
0.3668

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.7244, 0.4405,
0.3913

52.7244, 0.4405,
0.3913

46.9134, 0.4715,
0.3989

59.3102, 0.4111,
0.3812

41.8361, 0.5024,
0.4025

66.6935, 0.3844,
0.3698

37.4585, 0.5311,
0.4011

74.9057, 0.3606,
0.3580

33.7392, 0.5553,
0.3942

83.9739, 0.3398,
0.3463

■ 32.3225, 0.5644,
0.3901

■ 93.9239, 0.3218,
0.3351

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



52.7244, 0.4364, 0.3417



52.7244, 0.4405, 0.3913



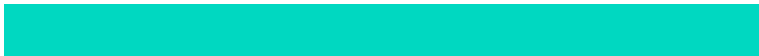
52.7244, 0.4077, 0.4329

Triad

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



52.7244, 0.4405, 0.3913



52.7244, 0.2338, 0.3625



52.7244, 0.2648, 0.2318

Complementary

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



52.7244, 0.4405, 0.3913



49.2928, 0.2261, 0.2525

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.



52.7244, 0.2195, 0.2289



52.7244, 0.4405, 0.3913



52.7244, 0.2028, 0.2962

Square

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



52.7244, 0.4405, 0.3913



52.7244, 0.2874, 0.4241



52.7244, 0.1983, 0.2496



52.7244, 0.3283, 0.2549

Rectangle

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



52.7244, 0.4405, 0.3913



52.7244, 0.3717, 0.4480



52.7244, 0.1983, 0.2496



52.7244, 0.2472, 0.2284

Sweetspot

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



52.7270, 0.4405, 0.3913



82.7460, 0.3423, 0.3478



37.0407, 0.3796, 0.2463



17.3110, 0.3464, 0.3501



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.



52.7270, 0.4405, 0.3913



46.2125, 0.4756, 0.3996



86.6461, 0.3990, 0.4530



19.2708, 0.3284, 0.3393



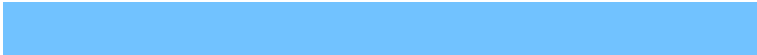
17.1729, 0.5616, 0.3923



1.8839, 0.5415, 0.4082

Inverse Universe

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



49.2928, 0.2261, 0.2525



42.3926, 0.2113, 0.2335



25.3479, 0.2071, 0.1632



19.0973, 0.2979, 0.3185



14.7215, 0.1838, 0.1815



1.6505, 0.1888, 0.1998

Previews

White Background



This preview shows how the Yxy color 52.7244, 0.4405, 0.3913 looks on a white background.

Color Contrast Check

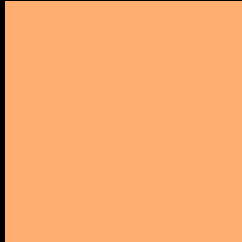
Large Text (above 18pt) WCAG AA × Fail

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 52.7244, 0.4405, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

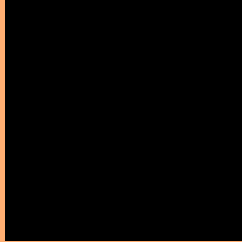
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.7244, 0.4405, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 52.7244, 0.4405, 0.3913.



This preview shows how white text looks on a background with the Yxy color 52.7244, 0.4405, 0.3913.

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

52.7244, 0.4405, 0.3913

Protanopia

52.7570, 0.3845, 0.4156

Deuteranopia

52.9211, 0.4173, 0.4094



Tritanopia

52.5606, 0.3824, 0.3166

Trichromacy



Original Color

52.7244, 0.4405, 0.3913

Protanomaly

52.1510, 0.4049, 0.4067

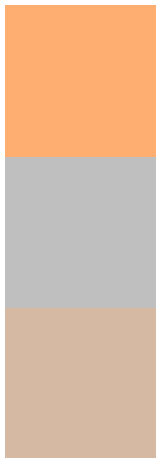
Deuteranomaly

52.6896, 0.4261, 0.4019

Tritanomaly

52.4098, 0.4044, 0.3440

Monochromacy



Original Color

52.7244, 0.4405, 0.3913

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.6384, 0.3559, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7244, 0.4405, 0.3913 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 113) }
```

Border

The CSS property to change the border of an element to Yxy 52.7244, 0.4405, 0.3913 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, 113) }
```

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

```
.border{ border-color:rgb(255, 174, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7244, 0.4405, 0.3913 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
174, 113) }
```

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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