

Converting Colors

$Y_{xy}(71.0128, 0.4960, 0.3617)$

Have a look what the booklet for
Yxy(71.0128, 0.4960, 0.3617)
contains.

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Color

Yxy(51.4901, 0.4329, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA7D
RGB	255, 170, 125
RGB Percent	100%, 67%, 49%
CMY	0.0000, 0.3333, 0.5098
CMYK	0.00, 0.33, 0.51, 0.00
HSL	21°, 100%, 75%
HSV	21°, 51%, 100%
XYZ	59.3136, 51.4901, 26.2109
YIQ	190.2850, 65.1050, 4.0250

Conversions

Conversions Part 2

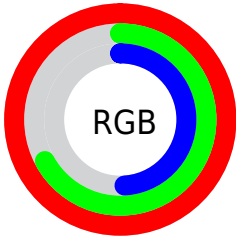
Format	Color
R _Y B	255, 194, 125
Decimal	16755325
CIE Lab	76.97, 26.52, 35.89
CIE LCh	77, 44.624, 53.534
Yxy	51.4901, 0.4329, 0.3758
Android (android.graphics.Color)	4294945405 (0xFFFFAA7D)
YUV	190.2850, -32.1855, 56.7551
Hunter-Lab	71.7566, 21.9731, 28.5725

Details

The Yxy color **51.4901, 0.4329, 0.3758** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.6576, 0.2356, 0.2741**, and the grayscale version is **51.8276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8671, 0.3665, 0.3780**, and **24.8327, 0.4649, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **45.0636, 0.4667, 0.3827**, and if you desaturate by 10%, it is **58.8813, 0.4020, 0.3671**.

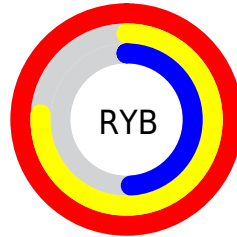
Distribution



Red (100%)

Green (67%)

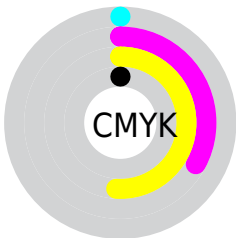
Blue (49%)



Red (100%)

Yellow (76%)

Blue (49%)

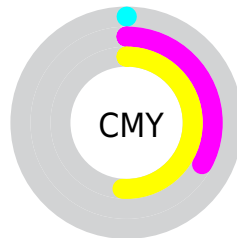


Cyan (0%)

Magenta (33%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4901, 0.4329, 0.3758 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 51.4901, 0.4329, 0.3758 by changing the saturation by 10% instead.

 51.4901, 0.4329,
0.3758


 51.4901, 0.4329,
0.3758


392.4649, 0.3739,
0.3562

 36.5988, 0.4469,
0.3794


 92.3788, 0.4119,
0.3696

 24.8970, 0.4644,
0.3832


 119.1450, 0.4039,
0.3670

 16.0003, 0.4865,
0.3870


 150.6383, 0.3970,
0.3647

 9.5244, 0.5152,
0.3898

187.2431, 0.3911,
0.3626

 5.0848, 0.5534,
0.3897

229.3437, 0.3860,
0.3608

 2.2971, 0.6136,
0.3864

277.3247, 0.3814,

 0.7722, 0.6609,

0.3591

0.3391

331.5703, 0.3774,
0.3576

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.4901, 0.4329,
0.3758

51.4901, 0.4329,
0.3758

45.0636, 0.4667,
0.3827

58.8813, 0.4020,
0.3671

39.5517, 0.5020,
0.3865

67.2693, 0.3748,
0.3576

34.9103, 0.5362,
0.3860

76.6939, 0.3513,
0.3480

31.0880, 0.5662,
0.3803

87.1903, 0.3313,
0.3386

■ 28.2883, 0.5877,
0.3715

■ 98.7920, 0.3142,
0.3298

■ 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



51.4901, 0.4189, 0.3293



51.4901, 0.4329, 0.3758



51.4901, 0.4113, 0.4169

Triad

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



51.4901, 0.4329, 0.3758



51.4901, 0.2515, 0.3762



51.4901, 0.2556, 0.2361

Complementary

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



51.4901, 0.4329, 0.3758



57.6576, 0.2356, 0.2741

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.



51.4901, 0.2189, 0.2392



51.4901, 0.4329, 0.3758



51.4901, 0.2163, 0.3143

Square

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



51.4901, 0.4329, 0.3758



51.4901, 0.3052, 0.4255



51.4901, 0.2053, 0.2653



51.4901, 0.3110, 0.2530

Rectangle

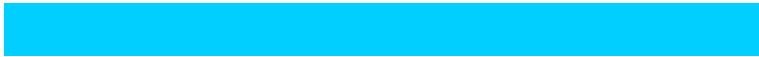
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4901, 0.4329, 0.3758



51.4901, 0.3817, 0.4347



51.4901, 0.2053, 0.2653



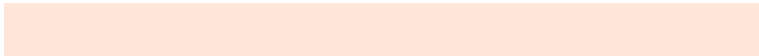
51.4901, 0.2410, 0.2347

Sweetspot

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



51.4927, 0.4329, 0.3758



82.8484, 0.3389, 0.3423



40.6596, 0.3600, 0.2423



17.2597, 0.3432, 0.3443



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.



51.4927, 0.4329, 0.3758



45.0564, 0.4668, 0.3827



81.2007, 0.3976, 0.4353



19.0156, 0.3286, 0.3373



15.0324, 0.5848, 0.3739



1.6584, 0.5630, 0.3912

Inverse Universe

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



57.6576, 0.2356, 0.2741



51.7326, 0.2229, 0.2611



32.3399, 0.2194, 0.1924



19.3602, 0.2980, 0.3206



18.4444, 0.1920, 0.2112



2.0001, 0.1962, 0.2262

Previews

White Background



This preview shows how the Yxy color 51.4901, 0.4329, 0.3758 looks on a white background.

Color Contrast Check

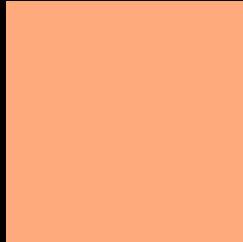
Large Text (above 18pt) WCAG AA × Fail

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 51.4901, 0.4329, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

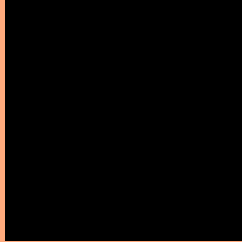
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4901, 0.4329, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 51.4901, 0.4329, 0.3758.



This preview shows how white text looks on a background with the Yxy color 51.4901, 0.4329, 0.3758.

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

51.4901, 0.4329, 0.3758

Protanopia

51.6422, 0.3718, 0.3992

Deuteranopia

51.5440, 0.4045, 0.3963



Tritanopia

51.3446, 0.3862, 0.3166

Trichromacy



Original Color

51.4901, 0.4329, 0.3758

Protanomaly

51.3260, 0.3937, 0.3908

Deuteranomaly

51.4732, 0.4140, 0.3888

Tritanomaly

51.3661, 0.4038, 0.3388

Monochromacy



Original Color

51.4901, 0.4329, 0.3758

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.9163, 0.3539, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4901, 0.4329, 0.3758 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 125) }
```

Border

The CSS property to change the border of an element to Yxy 51.4901, 0.4329, 0.3758 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, 125) }
```

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

```
.border{ border-color:rgb(255, 170, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4901, 0.4329, 0.3758 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
170, 125) }
```

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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