

Converting Colors

$Y_{xy}(58.9213, 0.4466, 0.3710)$

Have a look what the booklet for
Yxy(58.9213, 0.4466, 0.3710)
contains.

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Color

Yxy(53.5586, 0.4247, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	FFAF83
RGB	255, 175, 131
RGB Percent	100%, 69%, 51%
CMY	0.0001, 0.3136, 0.4863
CMYK	0.00, 0.31, 0.49, 0.00
HSL	21°, 100%, 76%
HSV	21°, 49%, 100%
XYZ	60.6569, 53.5586, 28.6074
YIQ	193.9040, 61.8040, 3.2760

Conversions

Conversions Part 2

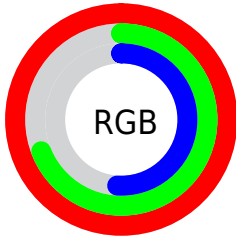
Format	Color
R _Y B	255, 199, 131
Decimal	16756611
CIE Lab	78.20, 24.43, 34.32
CIE LCh	78, 42.129, 54.562
Yxy	53.5586, 0.4247, 0.3750
Android (android.graphics.Color)	4294946691 (0xFFFFAF83)
YUV	193.9040, -31.0117, 53.5812
Hunter-Lab	73.1837, 19.8747, 28.0522

Details

The Yxy color **53.5586, 0.4247, 0.3750** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.5946, 0.2385, 0.2757**, and the grayscale version is **54.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8725, 0.3610, 0.3767**, and **26.1153, 0.4534, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **46.9371, 0.4576, 0.3826**, and if you desaturate by 10%, it is **61.1347, 0.3949, 0.3658**.

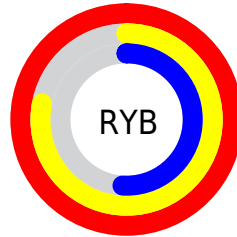
Distribution



Red (100%)

Green (69%)

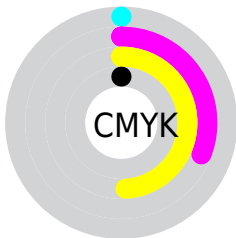
Blue (51%)



Red (100%)

Yellow (78%)

Blue (51%)

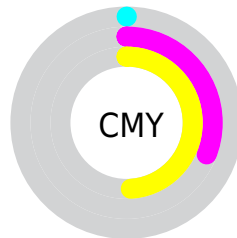


Cyan (0%)

Magenta (31%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5586, 0.4247, 0.3750 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 53.5586, 0.4247, 0.3750 by changing the saturation by 10% instead.


 53.5586, 0.4247,
0.3750


 53.5586, 0.4247,
0.3750


400.4246, 0.3700,
0.3554


 38.2489, 0.4377,
0.3787


 95.4258, 0.4053,
0.3687

 26.1759, 0.4538,
0.3829


 122.7521, 0.3978,
0.3661

 16.9553, 0.4743,
0.3872


 154.8528, 0.3915,
0.3638

 10.2026, 0.5010,
0.3911

192.1121, 0.3860,
0.3618

 5.5335, 0.5362,
0.3928

234.9146, 0.3812,
0.3599

 2.5636, 0.6009,
0.3991

283.6446, 0.3770,

 0.9084, 0.6411,

0.3583

0.3589

338.6864, 0.3733,
0.3568

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.5586, 0.4247,
0.3750

53.5586, 0.4247,
0.3750

46.9371, 0.4576,
0.3826

61.1347, 0.3949,
0.3658

41.2216, 0.4923,
0.3875

69.6952, 0.3688,
0.3560

36.3707, 0.5266,
0.3883

79.2785, 0.3462,
0.3461

32.3360, 0.5575,
0.3840

89.9183, 0.3270,
0.3367

■ 29.0591, 0.5823,
0.3748

99.9938, 0.3127,
0.3290

■ 28.6619, 0.5854,
0.3734

Harmonies

Analogous

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



53.5586, 0.4126, 0.3312



53.5586, 0.4247, 0.3750



53.5586, 0.4039, 0.4127

Triad

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



53.5586, 0.4247, 0.3750



53.5586, 0.2542, 0.3709



53.5586, 0.2609, 0.2419

Complementary

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



53.5586, 0.4247, 0.3750



58.5946, 0.2385, 0.2757

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.



53.5586, 0.2255, 0.2444



53.5586, 0.4247, 0.3750



53.5586, 0.2216, 0.3138

Square

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



53.5586, 0.4247, 0.3750



53.5586, 0.3042, 0.4172



53.5586, 0.2119, 0.2685



53.5586, 0.3133, 0.2584

Rectangle

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



53.5586, 0.4247, 0.3750



53.5586, 0.3760, 0.4282



53.5586, 0.2119, 0.2685



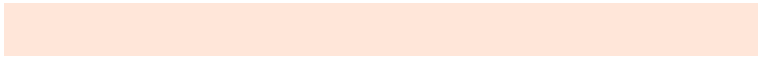
53.5586, 0.2469, 0.2405

Sweetspot

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



53.5612, 0.4247, 0.3750



83.0379, 0.3389, 0.3427



42.2141, 0.3592, 0.2479



17.3051, 0.3431, 0.3447



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.



53.5612, 0.4247, 0.3750



47.3388, 0.4555, 0.3822



83.0962, 0.3927, 0.4327



19.0427, 0.3285, 0.3375



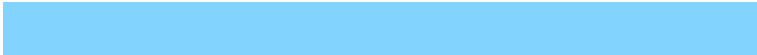
15.2350, 0.5824, 0.3758



1.6804, 0.5607, 0.3930

Inverse Universe

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



58.5946, 0.2385, 0.2757



52.8117, 0.2261, 0.2633



33.7214, 0.2236, 0.1972



19.3320, 0.2980, 0.3204



18.0173, 0.1911, 0.2080



1.9605, 0.1954, 0.2234

Previews

White Background



This preview shows how the Yxy color 53.5586, 0.4247, 0.3750 looks on a white background.

Color Contrast Check

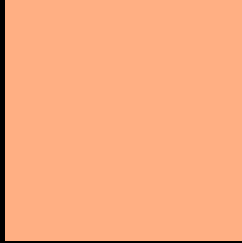
Large Text (above 18pt) WCAG AA × Fail

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 53.5586, 0.4247, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

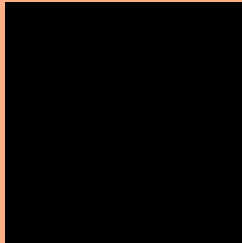
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.5586, 0.4247, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 53.5586, 0.4247, 0.3750.



This preview shows how white text looks on a background with the Yxy color 53.5586, 0.4247, 0.3750.

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

53.5586, 0.4247, 0.3750

Protanopia

54.0030, 0.3682, 0.3958

Deuteranopia

53.4387, 0.4007, 0.3923



Tritanopia

53.3868, 0.3799, 0.3166

Trichromacy



Original Color

53.5586, 0.4247, 0.3750

Protanomaly

53.4870, 0.3886, 0.3880

Deuteranomaly

53.1847, 0.4091, 0.3852

Tritanomaly

53.4094, 0.3970, 0.3387

Monochromacy



Original Color

53.5586, 0.4247, 0.3750

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

53.0799, 0.3505, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5586, 0.4247, 0.3750 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 131) }
```

Border

The CSS property to change the border of an element to Yxy 53.5586, 0.4247, 0.3750 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, 131) }
```

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

```
.border{ border-color:rgb(255, 175, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5586, 0.4247, 0.3750 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, 131) }
```

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

```
.background{ background-color: rgb(255,  
175, 131) }
```

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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