

Converting Colors

Yxy(54.0041, 0.4542, 0.3696)

Have a look what the booklet for
Yxy(54.0041, 0.4542, 0.3696)
contains.

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Color

Yxy(49.9625, 0.4371, 0.3736)

Conversions

Conversions Part 1

Format	Color
Hex	FFA67B
RGB	255, 166, 123
RGB Percent	100%, 65%, 48%
CMY	0.0000, 0.3490, 0.5175
CMYK	0.00, 0.35, 0.52, 0.00
HSL	20°, 100%, 74%
HSV	20°, 52%, 100%
XYZ	58.4545, 49.9625, 25.3156
YIQ	187.7090, 66.8470, 5.4950

Conversions

Conversions Part 2

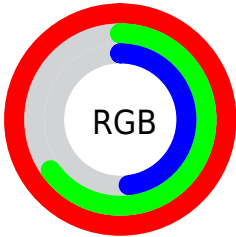
Format	Color
R _Y B	255, 187, 123
Decimal	16754299
CIE Lab	76.05, 28.45, 35.72
CIE LCh	76, 45.666, 51.461
Yxy	49.9625, 0.4371, 0.3736
Android (android.graphics.Color)	4294944379 (0xFFFFA67B)
YUV	187.7090, -31.9015, 59.0142
Hunter-Lab	70.6842, 23.9190, 28.2442

Details

The Yxy color **49.9625, 0.4371, 0.3736** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.5420, 0.2352, 0.2767**, and the grayscale version is **50.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6371, 0.3691, 0.3762**, and **23.8934, 0.4711, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **43.5660, 0.4720, 0.3798**, and if you desaturate by 10%, it is **57.3652, 0.4053, 0.3655**.

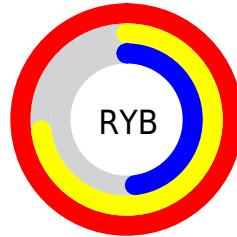
Distribution



Red (100%)

Green (65%)

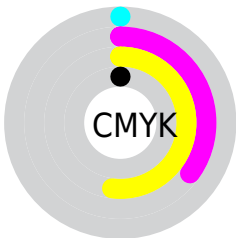
Blue (48%)



Red (100%)

Yellow (73%)

Blue (48%)

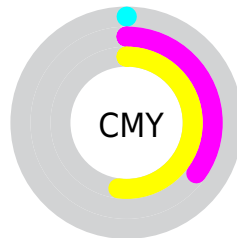


Cyan (0%)

Magenta (35%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9625, 0.4371, 0.3736 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 49.9625, 0.4371, 0.3736 by changing the saturation by 10% instead.


 49.9625, 0.4371,
0.3736


 49.9625, 0.4371,
0.3736


386.5193, 0.3757,
0.3552

 35.3836, 0.4518,
0.3768


 90.1193, 0.4152,
0.3679

 23.9585, 0.4701,
0.3802


 116.4660, 0.4068,
0.3655

 15.3029, 0.4934,
0.3833


 147.5041, 0.3997,
0.3633

 9.0322, 0.5236,
0.3850

183.6180, 0.3935,
0.3613

 4.7622, 0.5647,
0.3836

225.1921, 0.3882,
0.3595

 2.1084, 0.6251,
0.3749

272.6107, 0.3835,

 0.6694, 0.6814,

0.3579

0.3186

326.2583, 0.3794,
0.3565

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9625, 0.4371,
0.3736

49.9625, 0.4371,
0.3736

43.5660, 0.4720,
0.3798

57.3652, 0.4053,
0.3655

38.1241, 0.5083,
0.3829

65.8114, 0.3773,
0.3566

33.5881, 0.5433,
0.3817

75.3432, 0.3532,
0.3475

29.9022, 0.5734,
0.3754

85.9986, 0.3328,
0.3387

■ 27.4488, 0.5931,
0.3672

■ 97.8137, 0.3155,
0.3304

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.



49.9625, 0.4202, 0.3258



49.9625, 0.4371, 0.3736



49.9625, 0.4169, 0.4169

Triad

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



49.9625, 0.4371, 0.3736



49.9625, 0.2528, 0.3822



49.9625, 0.2505, 0.2329

Complementary

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



49.9625, 0.4371, 0.3736



58.5420, 0.2352, 0.2767

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.



49.9625, 0.2144, 0.2375



49.9625, 0.4371, 0.3736



49.9625, 0.2150, 0.3178

Square

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



49.9625, 0.4371, 0.3736



49.9625, 0.3090, 0.4314



49.9625, 0.2021, 0.2658



49.9625, 0.3065, 0.2490

Rectangle

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



49.9625, 0.4371, 0.3736



49.9625, 0.3873, 0.4367



49.9625, 0.2021, 0.2658



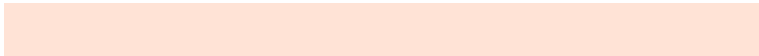
49.9625, 0.2359, 0.2319

Sweetspot

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



49.9644, 0.4371, 0.3736



81.3277, 0.3411, 0.3424



40.2518, 0.3587, 0.2392



16.9395, 0.3453, 0.3442



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.



49.9644, 0.4371, 0.3736



43.4171, 0.4729, 0.3799



79.7356, 0.4000, 0.4349



18.9526, 0.3286, 0.3368



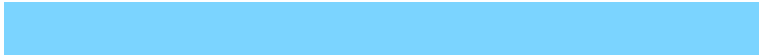
14.5826, 0.5902, 0.3696



1.6090, 0.5682, 0.3871

Inverse Universe

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



58.5420, 0.2352, 0.2767



52.7188, 0.2227, 0.2641



32.3750, 0.2184, 0.1927



19.4260, 0.2980, 0.3211



19.4701, 0.1941, 0.2187



2.0948, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 49.9625, 0.4371, 0.3736 looks on a white background.

Color Contrast Check

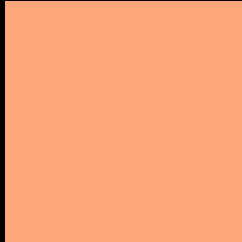
Large Text (above 18pt) WCAG AA × Fail

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 49.9625, 0.4371, 0.3736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

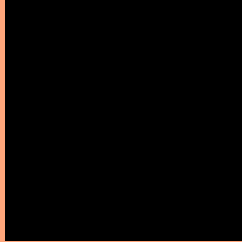
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9625, 0.4371, 0.3736

Background



This preview shows how black text looks on a background with the Yxy color 49.9625, 0.4371, 0.3736.



This preview shows how white text looks on a background with the Yxy color 49.9625, 0.4371, 0.3736.

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

49.9625, 0.4371, 0.3736

Protanopia

50.3289, 0.3707, 0.3989

Deuteranopia

50.1673, 0.4053, 0.3981



Tritanopia

50.1178, 0.3911, 0.3176

Trichromacy



Original Color

49.9625, 0.4371, 0.3736



Protanomaly

49.7571, 0.3942, 0.3891



Deuteranomaly

50.0449, 0.4174, 0.3889



Tritanomaly

49.8209, 0.4084, 0.3377

Monochromacy



Original Color

49.9625, 0.4371, 0.3736



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

49.3199, 0.3546, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9625, 0.4371, 0.3736 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, 166, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 123)  
}
```

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, 166, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 123) }
```

Border

The CSS property to change the border of an element to Yxy 49.9625, 0.4371, 0.3736 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, 166, 123) }
```

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

```
.border{ border-color:rgb(255, 166, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9625, 0.4371, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 123) }
```

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

```
.background{ background-color: rgb(255,  
166, 123) }
```

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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