

Converting Colors

Yxy(53.3554, 0.4738, 0.3843)

Have a look what the booklet for
Yxy(53.3554, 0.4738, 0.3843)
contains.

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Color

Yxy(48.7902, 0.4557, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	FFA467
RGB	255, 164, 103
RGB Percent	100%, 64%, 40%
CMY	0.0000, 0.3568, 0.5960
CMYK	0.00, 0.36, 0.60, 0.00
HSL	24°, 100%, 70%
HSV	24°, 60%, 100%
XYZ	56.9657, 48.7902, 19.2511
YIQ	184.2550, 73.8170, 0.3210

Conversions

Conversions Part 2

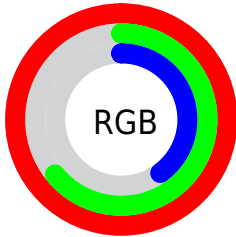
Format	Color
R _Y B	255, 205, 103
Decimal	16753767
CIE Lab	75.32, 27.94, 45.20
CIE LCh	75, 53.135, 58.278
Yxy	48.7902, 0.4557, 0.3903
Android (android.graphics.Color)	4294943847 (0xFFFFA467)
YUV	184.2550, -40.0587, 62.0434
Hunter-Lab	69.8500, 23.3369, 32.5543

Details

The Yxy color **48.7902, 0.4557, 0.3903** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.6943, 0.2221, 0.2518**, and the grayscale version is **48.2778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2896, 0.3849, 0.3945**, and **23.3147, 0.4915, 0.3995** is the 20% darker color. If you saturate the color by 10%, you get **43.2146, 0.4883, 0.3959**, and if you desaturate by 10%, it is **55.1812, 0.4244, 0.3818**.

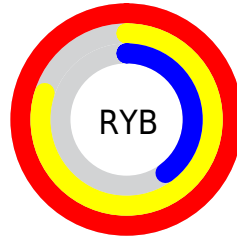
Distribution



Red (100%)

Green (64%)

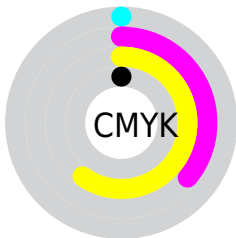
Blue (40%)



Red (100%)

Yellow (80%)

Blue (40%)

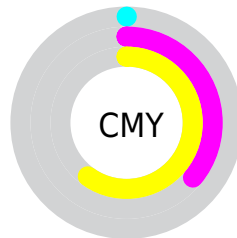


Cyan (0%)

Magenta (36%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7902, 0.4557, 0.3903 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 48.7902, 0.4557, 0.3903 by changing the saturation by 10% instead.


 48.7902, 0.4557,
0.3903


 48.7902, 0.4557,
0.3903

381.9158, 0.3858,
0.3653


 34.4531, 0.4719,
0.3945


 88.3798, 0.4311,
0.3827


 23.2419, 0.4917,
0.3985


 114.4010, 0.4216,
0.3794

 14.7722, 0.5162,
0.4017


 145.0858, 0.4134,
0.3764

 8.6597, 0.5464,
0.4023

 180.8184, 0.4064,
0.3737

 4.5199, 0.5954,
0.4046

221.9833, 0.4002,
0.3713

 1.9684, 0.6256,
0.3744

268.9649, 0.3948,

 0.5890, 0.6896,

0.3691

0.3104

322.1476, 0.3900,
0.3671

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7902, 0.4557,
0.3903

48.7902, 0.4557,
0.3903

43.2146, 0.4883,
0.3959

55.1812, 0.4244,
0.3818

38.4117, 0.5201,
0.3971

62.4175, 0.3957,
0.3715

34.3411, 0.5485,
0.3930

70.5333, 0.3701,
0.3605

30.9494, 0.5717,
0.3839

79.5590, 0.3478,
0.3494

30.8266, 0.5726,
0.3835

89.5237, 0.3286,
0.3387

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.



48.7902, 0.4472, 0.3359



48.7902, 0.4557, 0.3903



48.7902, 0.4222, 0.4388

Triad

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



48.7902, 0.4557, 0.3903



48.7902, 0.2303, 0.3743



48.7902, 0.2532, 0.2212

Complementary

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



48.7902, 0.4557, 0.3903



48.6943, 0.2221, 0.2518

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.



48.7902, 0.2067, 0.2201



48.7902, 0.4557, 0.3903



48.7902, 0.1941, 0.2986

Square

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



48.7902, 0.4557, 0.3903



48.7902, 0.2910, 0.4415



48.7902, 0.1866, 0.2449



48.7902, 0.3216, 0.2442

Rectangle

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



48.7902, 0.4557, 0.3903



48.7902, 0.3836, 0.4595



48.7902, 0.1866, 0.2449



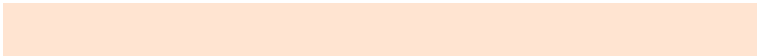
48.7902, 0.2349, 0.2182

Sweetspot

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



48.7918, 0.4557, 0.3903



81.0906, 0.3446, 0.3476



34.8683, 0.3834, 0.2394



16.7647, 0.3506, 0.3508



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.



48.7918, 0.4557, 0.3903



41.9933, 0.4961, 0.3966



84.4431, 0.4055, 0.4579



19.1834, 0.3284, 0.3386



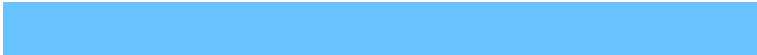
16.3807, 0.5697, 0.3859



1.8020, 0.5489, 0.4024

Inverse Universe

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



48.6943, 0.2221, 0.2518



41.7555, 0.2074, 0.2323



23.1123, 0.2000, 0.1533



19.1868, 0.2979, 0.3192



15.9219, 0.1866, 0.1916



1.7644, 0.1913, 0.2088

Previews

White Background



This preview shows how the Yxy color 48.7902, 0.4557, 0.3903 looks on a white background.

Color Contrast Check

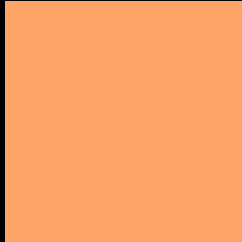
Large Text (above 18pt) WCAG AA × Fail

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 48.7902, 0.4557, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

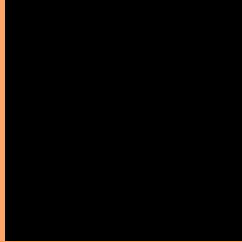
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7902, 0.4557, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 48.7902, 0.4557, 0.3903.



This preview shows how white text looks on a background with the Yxy color 48.7902, 0.4557, 0.3903.

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

48.7902, 0.4557, 0.3903

Protanopia

48.9620, 0.3880, 0.4216

Deuteranopia

48.8584, 0.4249, 0.4150



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.7902, 0.4557, 0.3903

Protanomaly

48.4531, 0.4125, 0.4100

Deuteranomaly

48.6218, 0.4366, 0.4055

Tritanomaly

48.7941, 0.4192, 0.3461

Monochromacy



Original Color

48.7902, 0.4557, 0.3903

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5125, 0.3615, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7902, 0.4557, 0.3903 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, 164, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 103)  
}
```

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, 164, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 103) }
```

Border

The CSS property to change the border of an element to Yxy 48.7902, 0.4557, 0.3903 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, 164, 103) }
```

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

```
.border{ border-color:rgb(255, 164, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7902, 0.4557, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 103) }
```

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

```
.background{ background-color: rgb(255,  
164, 103) }
```

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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