

Converting Colors

$Yxy(47.1448, 0.4600, 0.3866)$

Have a look what the booklet for
Yxy(47.1448, 0.4600, 0.3866)
contains.

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Color

Yxy(47.0156, 0.4603, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F66
RGB	255, 159, 102
RGB Percent	100%, 62%, 40%
CMY	0.0000, 0.3764, 0.6001
CMYK	0.00, 0.38, 0.60, 0.00
HSL	22°, 100%, 70%
HSV	22°, 60%, 100%
XYZ	56.0365, 47.0156, 18.6869
YIQ	181.2060, 75.5130, 2.6250

Conversions

Conversions Part 2

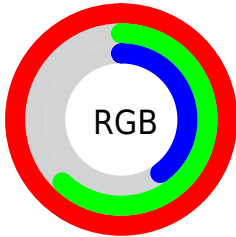
Format	Color
R _Y B	255, 193, 102
Decimal	16752486
CIE Lab	74.20, 30.47, 44.37
CIE LCh	74, 53.824, 55.527
Yxy	47.0156, 0.4603, 0.3862
Android (android.graphics.Color)	4294942566 (0xFFFF9F66)
YUV	181.2060, -39.0486, 64.7173
Hunter-Lab	68.5679, 25.8835, 31.8391

Details

The Yxy color **47.0156, 0.4603, 0.3862** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.4211, 0.2228, 0.2570**, and the grayscale version is **46.5108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6862, 0.3876, 0.3907**, and **22.2418, 0.4976, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **41.4364, 0.4943, 0.3910**, and if you desaturate by 10%, it is **53.4664, 0.4278, 0.3784**.

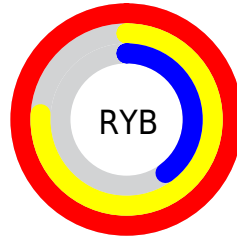
Distribution



Red (100%)

Green (62%)

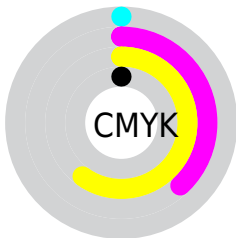
Blue (40%)



Red (100%)

Yellow (76%)

Blue (40%)

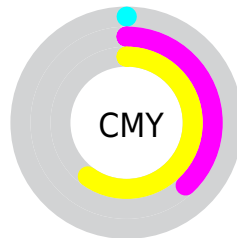


Cyan (0%)

Magenta (38%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0156, 0.4603, 0.3862 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 47.0156, 0.4603, 0.3862 by changing the saturation by 10% instead.


 47.0156, 0.4603,
0.3862

 47.0156, 0.4603,
0.3862


374.8768, 0.3876,
0.3633

 33.0480, 0.4773,
0.3898


 85.7369, 0.4346,
0.3794

 22.1632, 0.4982,
0.3931


 111.2594, 0.4247,
0.3764

 13.9769, 0.5241,
0.3952


 141.4023, 0.4162,
0.3737

 8.1046, 0.5562,
0.3941

 176.5500, 0.4089,
0.3712

 4.1619, 0.6071,
0.3929

217.0869, 0.4025,
0.3689

 1.7646, 0.6411,
0.3589

263.3974, 0.3969,

 0.4649, 0.7264,

0.3669

0.2736

315.8659, 0.3920,
0.3650

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.0156, 0.4603,
0.3862

47.0156, 0.4603,
0.3862

41.4364, 0.4943,
0.3910

53.4664, 0.4278,
0.3784

36.6809, 0.5274,
0.3914

60.8213, 0.3981,
0.3689

32.7045, 0.5569,
0.3866

69.1185, 0.3718,
0.3587

29.4497, 0.5806,
0.3772

78.3915, 0.3490,
0.3484

 88.6726, 0.3294,
0.3384

99.9921, 0.3127,
0.3290

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.



47.0156, 0.4475, 0.3307



47.0156, 0.4603, 0.3862



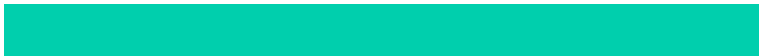
47.0156, 0.4291, 0.4372

Triad

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



47.0156, 0.4603, 0.3862



47.0156, 0.2331, 0.3829



47.0156, 0.2463, 0.2178

Complementary

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



47.0156, 0.4603, 0.3862



50.4211, 0.2228, 0.2570

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.



47.0156, 0.2013, 0.2188



47.0156, 0.4603, 0.3862



47.0156, 0.1936, 0.3040

Square

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



47.0156, 0.4603, 0.3862



47.0156, 0.2967, 0.4491



47.0156, 0.1834, 0.2465



47.0156, 0.3147, 0.2394

Rectangle

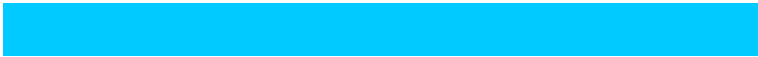
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0156, 0.4603, 0.3862



47.0156, 0.3909, 0.4606



47.0156, 0.1834, 0.2465



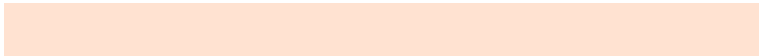
47.0156, 0.2284, 0.2154

Sweetspot

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



47.0176, 0.4603, 0.3862



80.3728, 0.3448, 0.3463



34.8780, 0.3780, 0.2342



16.5910, 0.3509, 0.3493



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.



47.0176, 0.4603, 0.3862



40.4240, 0.5010, 0.3914



81.4055, 0.4090, 0.4546



19.0959, 0.3285, 0.3379



15.6499, 0.5777, 0.3795



1.7249, 0.5563, 0.3965

Inverse Universe

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



50.4211, 0.2228, 0.2570



43.9371, 0.2092, 0.2396



24.0576, 0.2006, 0.1580



19.2769, 0.2979, 0.3199



17.2003, 0.1894, 0.2018



1.8844, 0.1939, 0.2179

Previews

White Background



This preview shows how the Yxy color 47.0156, 0.4603, 0.3862 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 47.0156, 0.4603, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

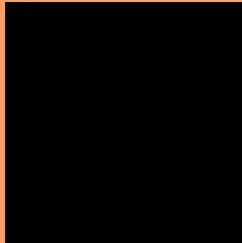
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0156, 0.4603, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 47.0156, 0.4603, 0.3862.



This preview shows how white text looks on a background with the Yxy color 47.0156, 0.4603, 0.3862.

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

47.0156, 0.4603, 0.3862

Protanopia

47.2940, 0.3868, 0.4193

Deuteranopia

47.0202, 0.4241, 0.4143



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

47.0156, 0.4603, 0.3862

Protanomaly

46.5705, 0.4132, 0.4063

Deuteranomaly

46.9582, 0.4369, 0.4043

Tritanomaly

46.9600, 0.4257, 0.3450

Monochromacy



Original Color

47.0156, 0.4603, 0.3862

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.5640, 0.3636, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0156, 0.4603, 0.3862 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, 159, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 102)  
}
```

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, 159, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 102) }
```

Border

The CSS property to change the border of an element to Yxy 47.0156, 0.4603, 0.3862 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, 159, 102) }
```

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

```
.border{ border-color:rgb(255, 159, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0156, 0.4603, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 102) }
```

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

```
.background{ background-color: rgb(255,  
159, 102) }
```

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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