

Converting Colors

$Yxy(47.7427, 0.4587, 0.3883)$

Have a look what the booklet for
Yxy(47.7427, 0.4587, 0.3883)
contains.

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Color

Yxy(47.7090, 0.4588, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	FFA166
RGB	255, 161, 102
RGB Percent	100%, 63%, 40%
CMY	0.0000, 0.3686, 0.6001
CMYK	0.00, 0.37, 0.60, 0.00
HSL	23°, 100%, 70%
HSV	23°, 60%, 100%
XYZ	56.3856, 47.7090, 18.8034
YIQ	182.3800, 74.9630, 1.5790

Conversions

Conversions Part 2

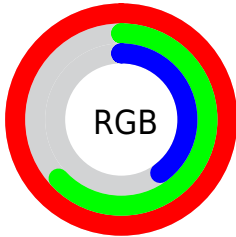
Format	Color
R _Y B	255, 198, 102
Decimal	16752998
CIE Lab	74.64, 29.43, 44.90
CIE LCh	75, 53.689, 56.756
Yxy	47.7090, 0.4588, 0.3882
Android (android.graphics.Color)	4294943078 (0xFFFFA166)
YUV	182.3800, -39.6273, 63.6877
Hunter-Lab	69.0717, 24.8402, 32.2097

Details

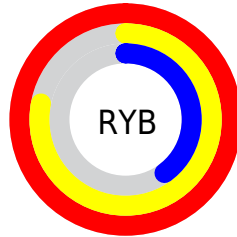
The Yxy color **47.7090, 0.4588, 0.3882** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.5172, 0.2222, 0.2544**, and the grayscale version is **47.1858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7048, 0.3868, 0.3927**, and **22.6637, 0.4952, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **42.1425, 0.4921, 0.3933**, and if you desaturate by 10%, it is **54.1178, 0.4268, 0.3801**.

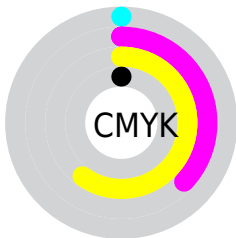
Distribution



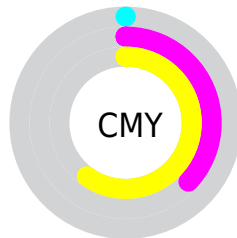
- Red (100%)
- Green (63%)
- Blue (40%)



- Red (100%)
- Yellow (78%)
- Blue (40%)



- Cyan (0%)
- Magenta (37%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7090, 0.4588, 0.3882 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 47.7090, 0.4588, 0.3882 by changing the saturation by 10% instead.


 47.7090, 0.4588,
0.3882


 47.7090, 0.4588,
0.3882


377.6375, 0.3870,
0.3643


 33.5965, 0.4755,
0.3920


 86.7710, 0.4335,
0.3811

 22.5838, 0.4960,
0.3956


 112.4892, 0.4237,
0.3779

 14.2865, 0.5213,
0.3982


 142.8449, 0.4153,
0.3751

 8.3202, 0.5526,
0.3978

 178.2223, 0.4081,
0.3725

 4.3005, 0.6023,
0.3977

219.0059, 0.4018,
0.3701

 1.8430, 0.6348,
0.3652

265.5800, 0.3963,

 0.5138, 0.7107,

0.3680

0.2893

318.3291, 0.3914,
0.3661

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7090, 0.4588,
0.3882

47.7090, 0.4588,
0.3882

42.1425, 0.4921,
0.3933

54.1178, 0.4268,
0.3801

37.3770, 0.5247,
0.3940

61.4046, 0.3975,
0.3703

33.3684, 0.5536,
0.3894

69.6042, 0.3715,
0.3597

30.0610, 0.5770,
0.3800

78.7487, 0.3488,
0.3490

 88.8690, 0.3294,
0.3387

99.9940, 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.



47.7090, 0.4479, 0.3330



47.7090, 0.4588, 0.3882



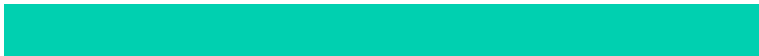
47.7090, 0.4264, 0.4383

Triad

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



47.7090, 0.4588, 0.3882



47.7090, 0.2315, 0.3792



47.7090, 0.2491, 0.2189

Complementary

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



47.7090, 0.4588, 0.3882



49.5172, 0.2222, 0.2544

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.



47.7090, 0.2033, 0.2190



47.7090, 0.4588, 0.3882



47.7090, 0.1934, 0.3014

Square

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



47.7090, 0.4588, 0.3882



47.7090, 0.2940, 0.4462



47.7090, 0.1844, 0.2454



47.7090, 0.3178, 0.2413

Rectangle

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



47.7090, 0.4588, 0.3882



47.7090, 0.3878, 0.4606



47.7090, 0.1844, 0.2454



47.7090, 0.2310, 0.2163

Sweetspot

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



47.7094, 0.4588, 0.3882



80.6988, 0.3447, 0.3469



34.7614, 0.3811, 0.2366



16.6699, 0.3507, 0.3500



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.



47.7094, 0.4588, 0.3882



41.1292, 0.4988, 0.3938



82.8734, 0.4075, 0.4566



19.1357, 0.3285, 0.3382



15.9747, 0.5741, 0.3824



1.7594, 0.5529, 0.3992

Inverse Universe

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



49.5172, 0.2222, 0.2544



42.9340, 0.2084, 0.2363



23.4381, 0.1999, 0.1550



19.2358, 0.2979, 0.3196



16.6091, 0.1881, 0.1971



1.8291, 0.1927, 0.2137

Previews

White Background



This preview shows how the Yxy color 47.7090, 0.4588, 0.3882 looks on a white background.

Color Contrast Check

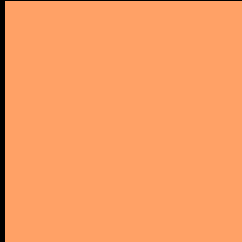
Large Text (above 18pt) WCAG AA × Fail

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 47.7090, 0.4588, 0.3882 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 47.7090, 0.4588, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 47.7090, 0.4588, 0.3882.



This preview shows how white text looks on a background with the Yxy color 47.7090, 0.4588, 0.3882.

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

47.7090, 0.4588, 0.3882

Protanopia

47.8243, 0.3879, 0.4213

Deuteranopia

47.5683, 0.4243, 0.4150



Tritanopia

47.7901, 0.4002, 0.3187

Trichromacy



Original Color

47.7090, 0.4588, 0.3882

Protanomaly

47.4844, 0.4137, 0.4092

Deuteranomaly

47.5024, 0.4371, 0.4050

Tritanomaly

47.6969, 0.4226, 0.3450

Monochromacy



Original Color

47.7090, 0.4588, 0.3882

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1273, 0.3633, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7090, 0.4588, 0.3882 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, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 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, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 102) }
```

Border

The CSS property to change the border of an element to Yxy 47.7090, 0.4588, 0.3882 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, 161, 102) }
```

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

```
.border{ border-color:rgb(255, 161, 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, 161, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7090, 0.4588, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 102) }
```

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

```
.background{ background-color: rgb(255,  
161, 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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