

Converting Colors

$Y_{xy}(47.6012, 0.4476, 0.3870)$

Have a look what the booklet for
Yxy(47.6012, 0.4476, 0.3870)
contains.

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Color

Yxy(47.4168, 0.4471, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	F9A36C
RGB	249, 163, 108
RGB Percent	98%, 64%, 42%
CMY	0.0234, 0.3608, 0.5764
CMYK	0.00, 0.35, 0.57, 0.02
HSL	23°, 92%, 70%
HSV	23°, 57%, 98%
XYZ	54.8798, 47.4168, 20.4495
YIQ	182.4440, 68.9110, 1.1270

Conversions

Conversions Part 2

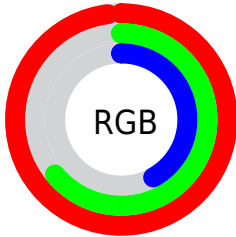
Format	Color
R _Y B	249, 198, 108
Decimal	16360300
CIE Lab	74.46, 26.46, 41.42
CIE LCh	74, 49.152, 57.433
Yxy	47.4168, 0.4471, 0.3863
Android (android.graphics.Color)	4294550380 (0xFFF9A36C)
YUV	182.4440, -36.7009, 58.3696
Hunter-Lab	68.8599, 21.7557, 30.5944

Details

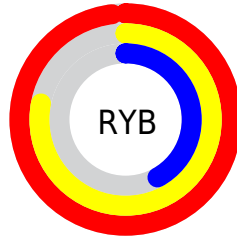
The Yxy color **47.4168, 0.4471, 0.3863** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.6371, 0.2265, 0.2587**, and the grayscale version is **47.2116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9409, 0.3818, 0.3886**, and **22.5035, 0.4818, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **41.8874, 0.4800, 0.3926**, and if you desaturate by 10%, it is **53.7506, 0.4161, 0.3774**.

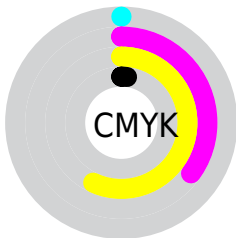
Distribution



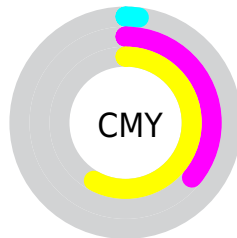
- Red (98%)
- Green (64%)
- Blue (42%)



- Red (98%)
- Yellow (78%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (57%)
- Black (2%)





- Cyan (2%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4168, 0.4471, 0.3863 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 47.4168, 0.4471, 0.3863 by changing the saturation by 10% instead.


 47.4168, 0.4471,
0.3863


 47.4168, 0.4471,
0.3863


376.4758, 0.3807,
0.3623

 33.3653, 0.4628,
0.3905


 86.3354, 0.4235,
0.3789


 22.4064, 0.4821,
0.3948

 111.9713, 0.4145,
0.3757

 14.1558, 0.5064,
0.3986


 142.2375, 0.4068,
0.3728

 8.2291, 0.5370,
0.4004

 177.5183, 0.4001,
0.3703

 4.2419, 0.5892,
0.4058

218.1981, 0.3943,
0.3680

 1.8098, 0.6225,
0.3775

264.6614, 0.3892,

 0.4933, 0.6990,

0.3659

0.3010

317.2925, 0.3847,
0.3640

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.4168, 0.4471,
0.3863

47.4168, 0.4471,
0.3863

41.8874, 0.4800,
0.3926

53.7506, 0.4161,
0.3774

37.1192, 0.5128,
0.3951

60.9152, 0.3880,
0.3671

33.0747, 0.5431,
0.3925

68.9442, 0.3633,
0.3563

29.7086, 0.5681,
0.3845

77.8670, 0.3418,
0.3456

■ 28.7115, 0.5756,
0.3811

■ 87.7118, 0.3234,
0.3354

■ 98.3477, 0.3091,
0.3282

■ 98.8856, 0.3090,
0.3290

Harmonies

Analogous

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



47.4168, 0.4375, 0.3348



47.4168, 0.4471, 0.3863



47.4168, 0.4172, 0.4316

Triad

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



47.4168, 0.4471, 0.3863



47.4168, 0.2370, 0.3734



47.4168, 0.2554, 0.2269

Complementary

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



47.4168, 0.4471, 0.3863



48.6371, 0.2265, 0.2587

Split Complementary

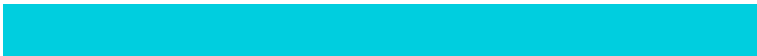
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.4168, 0.2119, 0.2268



47.4168, 0.4471, 0.3863



47.4168, 0.2017, 0.3029

Square

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



47.4168, 0.4471, 0.3863



47.4168, 0.2948, 0.4344



47.4168, 0.1936, 0.2514



47.4168, 0.3194, 0.2482

Rectangle

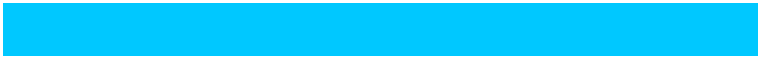
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4168, 0.4471, 0.3863



47.4168, 0.3816, 0.4506



47.4168, 0.1936, 0.2514



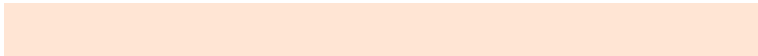
47.4168, 0.2383, 0.2243

Sweetspot

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



47.4192, 0.4471, 0.3863



81.7861, 0.3426, 0.3461



34.8117, 0.3755, 0.2408



17.0853, 0.3467, 0.3482



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.



47.4192, 0.4471, 0.3863



43.4223, 0.4848, 0.3933



79.2684, 0.4027, 0.4508



18.3350, 0.3284, 0.3383



15.6205, 0.5727, 0.3834



1.6460, 0.5507, 0.4010

Inverse Universe

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



48.6371, 0.2265, 0.2587



44.7054, 0.2125, 0.2414



24.5618, 0.2066, 0.1661



18.4059, 0.2980, 0.3195



15.9527, 0.1877, 0.1957



1.6835, 0.1926, 0.2133

Previews

White Background



This preview shows how the Yxy color 47.4168, 0.4471, 0.3863 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 47.4168, 0.4471, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

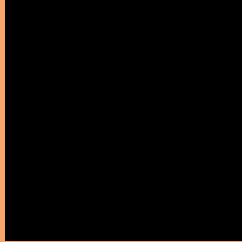
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4168, 0.4471, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 47.4168, 0.4471, 0.3863.



This preview shows how white text looks on a background with the Yxy color 47.4168, 0.4471, 0.3863.

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

47.4168, 0.4471, 0.3863

Protanopia

47.8213, 0.3824, 0.4145

Deuteranopia

47.5272, 0.4187, 0.4093



Tritanopia

47.4496, 0.3974, 0.3176

Trichromacy



Original Color

47.4168, 0.4471, 0.3863

Protanomaly

47.1483, 0.4060, 0.4037

Deuteranomaly

47.4901, 0.4288, 0.4011

Tritanomaly

47.5670, 0.4164, 0.3431

Monochromacy



Original Color

47.4168, 0.4471, 0.3863

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1483, 0.3584, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4168, 0.4471, 0.3863 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(249, 163, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 163, 108)  
}
```

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(249, 163, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 163, 108) }
```

Border

The CSS property to change the border of an element to Yxy 47.4168, 0.4471, 0.3863 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(249, 163, 108) }
```

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

```
.border{ border-color:rgb(249, 163, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 163, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 163, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 163, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 163,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4168, 0.4471, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 163, 108) }
```

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

```
.background{ background-color: rgb(249,  
163, 108) }
```

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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