

Converting Colors

$Y_{xy}(47.1412, 0.4647, 0.3922)$

Have a look what the booklet for
Yxy(47.1412, 0.4647, 0.3922)
contains.

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Color

Yxy(47.2461, 0.4644, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	FFA060
RGB	255, 160, 96
RGB Percent	100%, 63%, 38%
CMY	0.0001, 0.3725, 0.6235
CMYK	0.00, 0.37, 0.62, 0.00
HSL	24°, 100%, 69%
HSV	24°, 62%, 100%
XYZ	55.9151, 47.2461, 17.2417
YIQ	181.1090, 77.1640, 0.2360

Conversions

Conversions Part 2

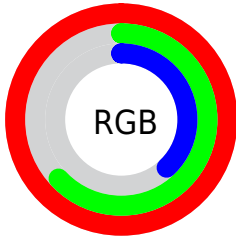
Format	Color
R_{YB}	255, 203, 96
Decimal	16752736
CIE _{Lab}	74.35, 29.53, 47.57
CIE _{LCh}	74, 55.988, 58.170
Yxy	47.2461, 0.4644, 0.3924
Android (android.graphics.Color)	4294942816 (0xFFFFA060)
YUV	181.1090, -41.9587, 64.8024
Hunter-Lab	68.7358, 24.9183, 33.2427

Details

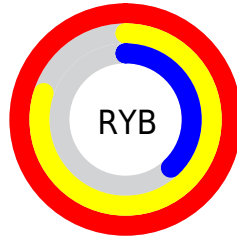
The Yxy color **47.2461, 0.4644, 0.3924** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.9522, 0.2185, 0.2472**, and the grayscale version is **46.4730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9990, 0.3915, 0.3976**, and **22.3917, 0.5026, 0.4004** is the 20% darker color. If you saturate the color by 10%, you get **41.8905, 0.4969, 0.3969**, and if you desaturate by 10%, it is **53.4058, 0.4326, 0.3845**.

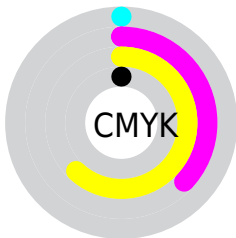
Distribution



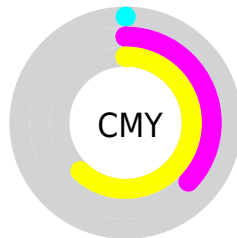
- Red (100%)
- Green (63%)
- Blue (38%)



- Red (100%)
- Yellow (80%)
- Blue (38%)



- Cyan (0%)
- Magenta (37%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2461, 0.4644, 0.3924 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 47.2461, 0.4644, 0.3924 by changing the saturation by 10% instead.


 47.2461, 0.4644,
0.3924


 47.2461, 0.4644,
0.3924


375.7960, 0.3901,
0.3670

 33.2302, 0.4815,
0.3963


 86.0809, 0.4383,
0.3849


 22.3029, 0.5023,
0.3999

 111.6686, 0.4282,
0.3816

 14.0796, 0.5278,
0.4022


 141.8823, 0.4195,
0.3785

 8.1761, 0.5590,
0.4011

 177.1065, 0.4121,
0.3758

 4.2078, 0.6034,
0.3966

217.7256, 0.4055,
0.3733

 1.7905, 0.6364,
0.3636

264.1240, 0.3998,

 0.4812, 0.7180,

0.3710

0.2820

316.6860, 0.3947,
0.3689

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.2461, 0.4644,
0.3924

47.2461, 0.4644,
0.3924

41.8905, 0.4969,
0.3969

53.4058, 0.4326,
0.3845

37.2930, 0.5280,
0.3968


60.3976, 0.4032,
0.3746

33.4128, 0.5550,
0.3912

68.2570, 0.3768,
0.3636

30.8894, 0.5722,
0.3839

77.0147, 0.3536,
0.3525

 86.7000, 0.3336,
0.3416

 97.3407, 0.3164,
0.3313

99.9947, 0.3127,
0.3290

Harmonies

Analogous

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



47.2461, 0.4558, 0.3352



47.2461, 0.4644, 0.3924



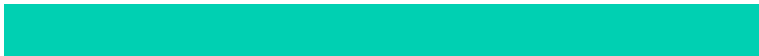
47.2461, 0.4283, 0.4444

Triad

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



47.2461, 0.4644, 0.3924



47.2461, 0.2253, 0.3776



47.2461, 0.2492, 0.2153

Complementary

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



47.2461, 0.4644, 0.3924



46.9522, 0.2185, 0.2472

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.



47.2461, 0.2007, 0.2141



47.2461, 0.4644, 0.3924



47.2461, 0.1875, 0.2963

Square

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



47.2461, 0.4644, 0.3924



47.2461, 0.2893, 0.4499



47.2461, 0.1798, 0.2397



47.2461, 0.3216, 0.2395

Rectangle

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



47.2461, 0.4644, 0.3924



47.2461, 0.3872, 0.4675



47.2461, 0.1798, 0.2397



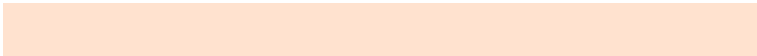
47.2461, 0.2300, 0.2122

Sweetspot

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



47.2485, 0.4644, 0.3924



80.1679, 0.3466, 0.3488



33.4018, 0.3882, 0.2363



16.5839, 0.3526, 0.3519



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.



47.2485, 0.4644, 0.3924



40.6064, 0.5054, 0.3974



83.8772, 0.4091, 0.4622



19.1876, 0.3284, 0.3386



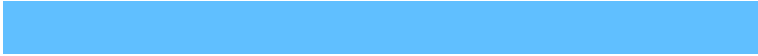
16.4180, 0.5693, 0.3862



1.8059, 0.5485, 0.4026

Inverse Universe

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



46.9522, 0.2185, 0.2472



40.1384, 0.2042, 0.2272



21.2743, 0.1948, 0.1446



19.1824, 0.2979, 0.3192



15.8614, 0.1864, 0.1911



1.7587, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 47.2461, 0.4644, 0.3924 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 47.2461, 0.4644, 0.3924 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 47.2461, 0.4644, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 47.2461, 0.4644, 0.3924.



This preview shows how white text looks on a background with the Yxy color 47.2461, 0.4644, 0.3924.

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

47.2461, 0.4644, 0.3924

Protanopia

47.2840, 0.3930, 0.4270

Deuteranopia

47.4578, 0.4288, 0.4208



Tritanopia

47.0878, 0.4020, 0.3177

Trichromacy



Original Color

47.2461, 0.4644, 0.3924

Protanomaly

46.9717, 0.4191, 0.4144

Deuteranomaly

47.3905, 0.4417, 0.4106

Tritanomaly

46.9304, 0.4267, 0.3461

Monochromacy



Original Color

47.2461, 0.4644, 0.3924

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.4990, 0.3654, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2461, 0.4644, 0.3924 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, 160, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 96)  
}
```

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, 160, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 96) }
```

Border

The CSS property to change the border of an element to Yxy 47.2461, 0.4644, 0.3924 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, 160, 96) }
```

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

```
.border{ border-color:rgb(255, 160, 96) }
```

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

Here you see how a box with a 4 pixel rgb(255, 160, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2461, 0.4644, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 96) }
```

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

```
.background{ background-color: rgb(255,  
160, 96) }
```

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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