

Converting Colors

$Y_{xy}(48.7719, 0.4574, 0.3779)$

Have a look what the booklet for
Yxy(48.7719, 0.4574, 0.3779)
contains.

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Color

Yxy(47.5493, 0.4518, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	FFA06F
RGB	255, 160, 111
RGB Percent	100%, 63%, 44%
CMY	0.0000, 0.3725, 0.5647
CMYK	0.00, 0.37, 0.56, 0.00
HSL	20°, 100%, 72%
HSV	20°, 56%, 100%
XYZ	56.6828, 47.5493, 21.2278
YIQ	182.8190, 72.3490, 4.9010

Conversions

Conversions Part 2

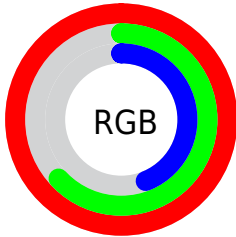
Format	Color
R _Y B	255, 185, 111
Decimal	16752751
CIE Lab	74.54, 30.61, 40.13
CIE LCh	75, 50.472, 52.671
Yxy	47.5493, 0.4518, 0.3790
Android (android.graphics.Color)	4294942831 (0xFFFFA06F)
YUV	182.8190, -35.4068, 63.3027
Hunter-Lab	68.9560, 26.0565, 30.0170

Details

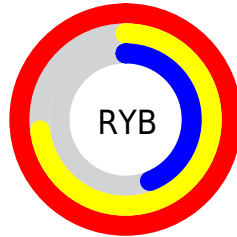
The Yxy color **47.5493, 0.4518, 0.3790** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.7394, 0.2287, 0.2682**, and the grayscale version is **47.4169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5052, 0.3807, 0.3826**, and **22.5423, 0.4874, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **41.6226, 0.4870, 0.3842**, and if you desaturate by 10%, it is **54.4264, 0.4189, 0.3713**.

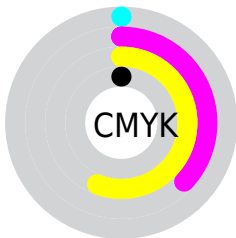
Distribution



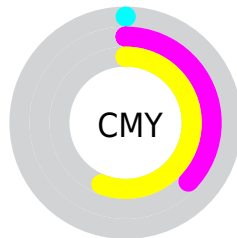
- Red (100%)
- Green (63%)
- Blue (44%)



- Red (100%)
- Yellow (73%)
- Blue (44%)



- Cyan (0%)
- Magenta (37%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5493, 0.4518, 0.3790 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 47.5493, 0.4518, 0.3790 by changing the saturation by 10% instead.


 47.5493, 0.4518,
0.3790


 47.5493, 0.4518,
0.3790


377.0029, 0.3829,
0.3588


 33.4701, 0.4681,
0.3823


 86.5330, 0.4273,
0.3730


 22.4868, 0.4884,
0.3854


 112.2063, 0.4179,
0.3703

 14.2150, 0.5139,
0.3877


 142.5130, 0.4099,
0.3679

 8.2704, 0.5463,
0.3875

 177.8376, 0.4030,
0.3657

 4.2684, 0.5983,
0.3879

218.5646, 0.3970,
0.3637

 1.8248, 0.6402,
0.3598

265.0781, 0.3917,

 0.5026, 0.7190,

0.3620

0.2810

317.7628, 0.3871,
0.3603

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.5493, 0.4518,
0.3790

■ 47.5493, 0.4518,
0.3790

■ 41.6226, 0.4870,
0.3842

■ 54.4264, 0.4189,
0.3713

■ 36.5994, 0.5223,
0.3857

■ 62.2947, 0.3895,
0.3623

■ 32.4301, 0.5548,
0.3823

■ 71.1939, 0.3639,
0.3528

■ 29.0581, 0.5813,
0.3739

■ 81.1611, 0.3419,
0.3434

■ 28.0405, 0.5893,
0.3703

■ 92.2314, 0.3232,
0.3345

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.



47.5493, 0.4351, 0.3264



47.5493, 0.4518, 0.3790



47.5493, 0.4267, 0.4274

Triad

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



47.5493, 0.4518, 0.3790



47.5493, 0.2432, 0.3862



47.5493, 0.2453, 0.2231

Complementary

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



47.5493, 0.4518, 0.3790



54.7394, 0.2287, 0.2682

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.



47.5493, 0.2049, 0.2266



47.5493, 0.4518, 0.3790



47.5493, 0.2030, 0.3127

Square

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



47.5493, 0.4518, 0.3790



47.5493, 0.3048, 0.4440



47.5493, 0.1904, 0.2560



47.5493, 0.3081, 0.2417

Rectangle

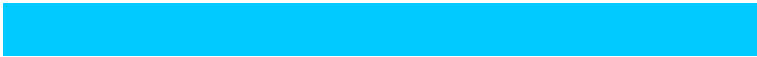
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.5493, 0.4518, 0.3790



47.5493, 0.3925, 0.4502



47.5493, 0.1904, 0.2560



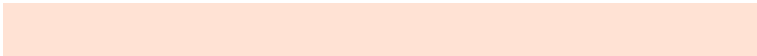
47.5493, 0.2291, 0.2216

Sweetspot

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



47.5497, 0.4518, 0.3790



80.6075, 0.3430, 0.3439



37.1330, 0.3672, 0.2344



16.8085, 0.3472, 0.3458



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.



47.5497, 0.4518, 0.3790



40.7977, 0.4924, 0.3847



79.5591, 0.4065, 0.4449



18.9974, 0.3286, 0.3371



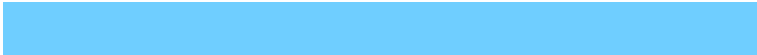
14.8990, 0.5863, 0.3726



1.6438, 0.5645, 0.3900

Inverse Universe

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



54.7394, 0.2287, 0.2682



48.4718, 0.2153, 0.2531



27.9264, 0.2087, 0.1752



19.3792, 0.2980, 0.3207



18.7370, 0.1926, 0.2134



2.0272, 0.1967, 0.2281

Previews

White Background



This preview shows how the Yxy color 47.5493, 0.4518, 0.3790 looks on a white background.

Color Contrast Check

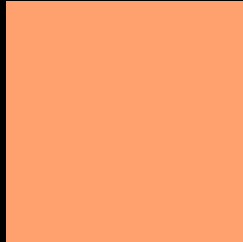
Large Text (above 18pt) WCAG AA × Fail

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 47.5493, 0.4518, 0.3790 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 47.5493, 0.4518, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 47.5493, 0.4518, 0.3790.



This preview shows how white text looks on a background with the Yxy color 47.5493, 0.4518, 0.3790.

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

47.5493, 0.4518, 0.3790

Protanopia

47.9164, 0.3792, 0.4097

Deuteranopia

47.4306, 0.4154, 0.4065



Tritanopia

47.4559, 0.4006, 0.3177

Trichromacy



Original Color

47.5493, 0.4518, 0.3790

Protanomaly

47.1599, 0.4051, 0.3976

Deuteranomaly

47.5157, 0.4289, 0.3965

Tritanomaly

47.4493, 0.4201, 0.3409

Monochromacy



Original Color

47.5493, 0.4518, 0.3790

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.6496, 0.3594, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5493, 0.4518, 0.3790 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 111) }
```

Border

The CSS property to change the border of an element to Yxy 47.5493, 0.4518, 0.3790 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, 111) }
```

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

```
.border{ border-color:rgb(255, 160, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 160, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 160, 111); box-shadow:4px 4px 4px 4px rgb(255, 160, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5493, 0.4518, 0.3790 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
160, 111) }
```

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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