

Converting Colors

$Y_{xy}(47.6860, 0.4464, 0.3733)$

Have a look what the booklet for
Yxy(47.6860, 0.4464, 0.3733)
contains.

Yxy(47.6860, 0.4464, 0.3733)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6860, 0.4464, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	FFA075
RGB	255, 160, 117
RGB Percent	100%, 63%, 46%
CMY	0.0000, 0.3725, 0.5411
CMYK	0.00, 0.37, 0.54, 0.00
HSL	19°, 100%, 73%
HSV	19°, 54%, 100%
XYZ	57.0239, 47.6860, 23.0318
YIQ	183.5030, 70.4230, 6.7670

Conversions

Conversions Part 2

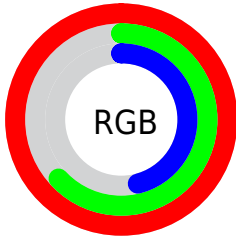
Format	Color
R_{YB}	255, 179, 117
Decimal	16752757
CIE _{Lab}	74.63, 31.07, 37.09
CIE _{LCh}	75, 48.384, 50.040
Yxy	47.6860, 0.4464, 0.3733
Android (android.graphics.Color)	4294942837 (0xFFFFA075)
YUV	183.5030, -32.7860, 62.7029
Hunter-Lab	69.0551, 26.5545, 28.5636

Details

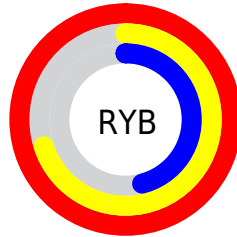
The Yxy color **47.6860, 0.4464, 0.3733** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.0945, 0.2327, 0.2763**, and the grayscale version is **47.8004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7632, 0.3756, 0.3755**, and **22.6118, 0.4809, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **41.5037, 0.4824, 0.3786**, and if you desaturate by 10%, it is **54.8938, 0.4133, 0.3659**.

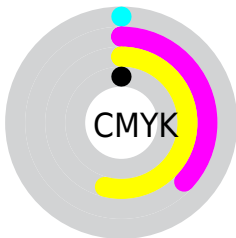
Distribution



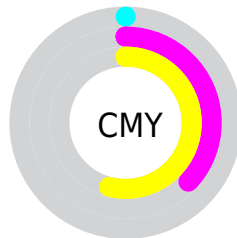
- Red (100%)
- Green (63%)
- Blue (46%)



- Red (100%)
- Yellow (70%)
- Blue (46%)



- Cyan (0%)
- Magenta (37%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6860, 0.4464, 0.3733 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 47.6860, 0.4464, 0.3733 by changing the saturation by 10% instead.

 47.6860, 0.4464,
0.3733

 47.6860, 0.4464,
0.3733

377.5462, 0.3800,
0.3555


 33.5783, 0.4623,
0.3762


 86.7367, 0.4226,
0.3679

 22.5698, 0.4822,
0.3790


 112.4485, 0.4136,
0.3656

 14.2762, 0.5074,
0.3811


 142.7971, 0.4059,
0.3635

 8.3130, 0.5400,
0.3811

178.1669, 0.3992,
0.3615

 4.2959, 0.5879,
0.3789

218.9423, 0.3935,
0.3598

 1.8404, 0.6418,
0.3582

265.5077, 0.3884,

 0.5122, 0.7194,

0.3582

0.2806

318.2476, 0.3839,
0.3568

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.6860, 0.4464,
0.3733

47.6860, 0.4464,
0.3733

41.5037, 0.4824,
0.3786

54.8938, 0.4133,
0.3659

36.2935, 0.5194,
0.3805

63.1689, 0.3840,
0.3575

32.0025, 0.5541,
0.3779

72.5554, 0.3588,
0.3488

28.5700, 0.5830,
0.3704

83.0939, 0.3374,
0.3403

■ 26.9165, 0.5967,
0.3644

■ 94.8224, 0.3193,
0.3322

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.



47.6860, 0.4266, 0.3226



47.6860, 0.4464, 0.3733



47.6860, 0.4259, 0.4204

Triad

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



47.6860, 0.4464, 0.3733



47.6860, 0.2507, 0.3896



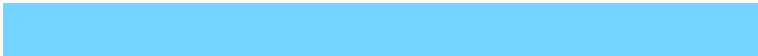
47.6860, 0.2437, 0.2263

Complementary

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



47.6860, 0.4464, 0.3733



58.0945, 0.2327, 0.2763

Split Complementary

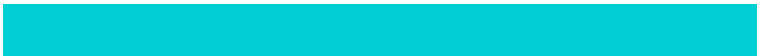
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.6860, 0.2066, 0.2320



47.6860, 0.4464, 0.3733



47.6860, 0.2096, 0.3196

Square

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



47.6860, 0.4464, 0.3733



47.6860, 0.3112, 0.4416



47.6860, 0.1949, 0.2629



47.6860, 0.3026, 0.2425

Rectangle

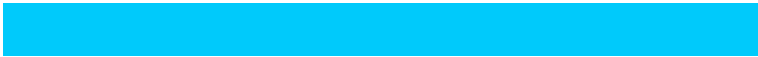
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6860, 0.4464, 0.3733



47.6860, 0.3946, 0.4433



47.6860, 0.1949, 0.2629



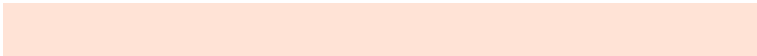
47.6860, 0.2286, 0.2256

Sweetspot

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



47.6873, 0.4464, 0.3733



81.0150, 0.3411, 0.3418



38.8203, 0.3591, 0.2336



16.8655, 0.3454, 0.3436



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.



47.6873, 0.4464, 0.3733



41.0028, 0.4857, 0.3789



77.7033, 0.4052, 0.4371



18.9102, 0.3287, 0.3365



14.2972, 0.5937, 0.3668



1.5771, 0.5716, 0.3843

Inverse Universe

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



58.0945, 0.2327, 0.2763



52.2383, 0.2201, 0.2635



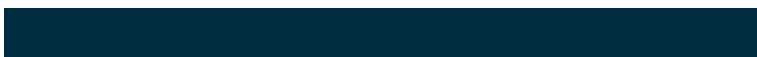
31.1346, 0.2144, 0.1883



19.4705, 0.2980, 0.3214



20.1845, 0.1955, 0.2237



2.1604, 0.1992, 0.2371

Previews

White Background



This preview shows how the Yxy color 47.6860, 0.4464, 0.3733 looks on a white background.

Color Contrast Check

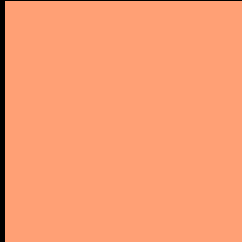
Large Text (above 18pt) WCAG AA × Fail

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 47.6860, 0.4464, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

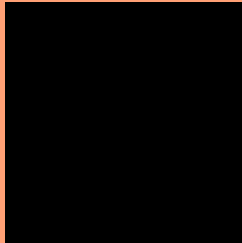
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6860, 0.4464, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 47.6860, 0.4464, 0.3733.



This preview shows how white text looks on a background with the Yxy color 47.6860, 0.4464, 0.3733.

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

47.6860, 0.4464, 0.3733

Protanopia

47.9554, 0.3727, 0.4014

Deuteranopia

47.9535, 0.4099, 0.4011



Tritanopia

47.7901, 0.4002, 0.3187

Trichromacy



Original Color

47.6860, 0.4464, 0.3733

Protanomaly

47.1501, 0.3991, 0.3911

Deuteranomaly

47.6494, 0.4238, 0.3903

Tritanomaly

47.5121, 0.4181, 0.3388

Monochromacy



Original Color

47.6860, 0.4464, 0.3733

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.8996, 0.3576, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6860, 0.4464, 0.3733 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 117) }
```

Border

The CSS property to change the border of an element to Yxy 47.6860, 0.4464, 0.3733 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, 117) }
```

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

```
.border{ border-color:rgb(255, 160, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6860, 0.4464, 0.3733 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
160, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor