

Converting Colors

$Y_{xy}(47.5490, 0.4666, 0.3966)$

Have a look what the booklet for
Yxy(47.5490, 0.4666, 0.3966)
contains.

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Color

Yxy(47.5224, 0.4668, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	FFA15C
RGB	255, 161, 92
RGB Percent	100%, 63%, 36%
CMY	0.0000, 0.3686, 0.6392
CMYK	0.00, 0.37, 0.64, 0.00
HSL	25°, 100%, 68%
HSV	25°, 64%, 100%
XYZ	55.9200, 47.5224, 16.3519
YIQ	181.2400, 78.1730, -1.5310

Conversions

Conversions Part 2

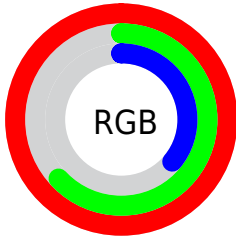
Format	Color
R_{YB}	255, 212, 92
Decimal	16752988
CIE _{Lab}	74.52, 28.78, 49.77
CIE _{LCh}	75, 57.490, 59.956
Yxy	47.5224, 0.4668, 0.3967
Android (android.graphics.Color)	4294943068 (0xFFFFA15C)
YUV	181.2400, -43.9953, 64.6875
Hunter-Lab	68.9365, 24.1570, 34.1918

Details

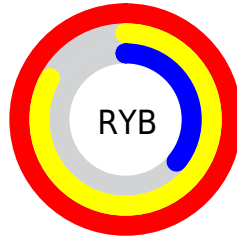
The Yxy color **47.5224, 0.4668, 0.3967** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.6165, 0.2155, 0.2402**, and the grayscale version is **46.5560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3854, 0.3939, 0.4025**, and **22.5738, 0.5044, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **42.3080, 0.4982, 0.4010**, and if you desaturate by 10%, it is **53.4921, 0.4357, 0.3888**.

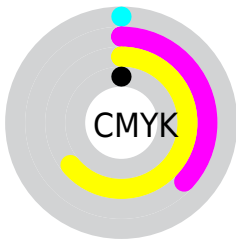
Distribution



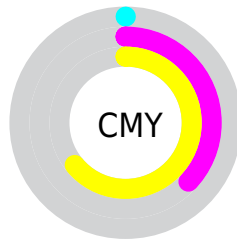
- Red (100%)
- Green (63%)
- Blue (36%)



- Red (100%)
- Yellow (83%)
- Blue (36%)



- Cyan (0%)
- Magenta (37%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5224, 0.4668, 0.3967 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 47.5224, 0.4668, 0.3967 by changing the saturation by 10% instead.


 47.5224, 0.4668,
0.3967


 47.5224, 0.4668,
0.3967


376.8959, 0.3918,
0.3696

 33.4488, 0.4839,
0.4009


 86.4929, 0.4406,
0.3887

 22.4705, 0.5045,
0.4047


 112.1586, 0.4304,
0.3852

 14.2030, 0.5296,
0.4070


 142.4571, 0.4216,
0.3819

 8.2620, 0.5603,
0.4062

 177.7728, 0.4140,
0.3790

 4.2631, 0.6003,
0.3997

218.4902, 0.4074,
0.3763

 1.8218, 0.6324,
0.3676

264.9936, 0.4016,

 0.5007, 0.7099,

0.3739

0.2901

317.6673, 0.3964,
0.3716

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.5224, 0.4668,
0.3967

47.5224, 0.4668,
0.3967

42.3080, 0.4982,
0.4010

53.4921, 0.4357,
0.3888

37.8112, 0.5278,
0.4005

60.2494, 0.4065,
0.3785


33.9911, 0.5532,
0.3944

67.8257, 0.3801,
0.3672

31.9722, 0.5663,
0.3886

76.2500, 0.3568,
0.3555

 85.5498, 0.3364,
0.3440

 95.7512, 0.3189,
0.3331

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.



47.5224, 0.4613, 0.3384



47.5224, 0.4668, 0.3967



47.5224, 0.4273, 0.4494

Triad

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



47.5224, 0.4668, 0.3967



47.5224, 0.2201, 0.3735



47.5224, 0.2515, 0.2139

Complementary

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



47.5224, 0.4668, 0.3967



44.6165, 0.2155, 0.2402

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.



47.5224, 0.2005, 0.2110



47.5224, 0.4668, 0.3967



47.5224, 0.1835, 0.2909

Square

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



47.5224, 0.4668, 0.3967



47.5224, 0.2841, 0.4501



47.5224, 0.1776, 0.2351



47.5224, 0.3266, 0.2397

Rectangle

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



47.5224, 0.4668, 0.3967



47.5224, 0.3843, 0.4720



47.5224, 0.1776, 0.2351



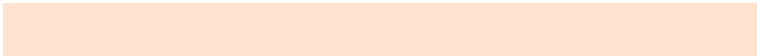
47.5224, 0.2315, 0.2102

Sweetspot

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



47.5227, 0.4668, 0.3967



80.7131, 0.3464, 0.3498



32.5072, 0.3944, 0.2372



16.7148, 0.3523, 0.3531



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.



47.5227, 0.4668, 0.3967



40.8476, 0.5077, 0.4014



85.1908, 0.4094, 0.4666



19.2509, 0.3284, 0.3391



16.9868, 0.5634, 0.3908



1.8648, 0.5432, 0.4069

Inverse Universe

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



44.6165, 0.2155, 0.2402



37.6013, 0.2007, 0.2183



19.7195, 0.1912, 0.1367



19.1177, 0.2979, 0.3187



14.9884, 0.1844, 0.1838



1.6759, 0.1894, 0.2019

Previews

White Background



This preview shows how the Yxy color 47.5224, 0.4668, 0.3967 looks on a white background.

Color Contrast Check

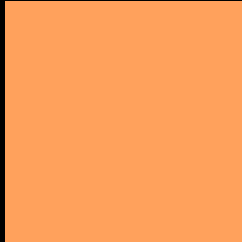
Large Text (above 18pt) WCAG AA × Fail

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 47.5224, 0.4668, 0.3967 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 47.5224, 0.4668, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 47.5224, 0.4668, 0.3967.



This preview shows how white text looks on a background with the Yxy color 47.5224, 0.4668, 0.3967.

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

47.5224, 0.4668, 0.3967

Protanopia

47.7576, 0.3963, 0.4321

Deuteranopia

47.7121, 0.4335, 0.4237



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.5224, 0.4668, 0.3967

Protanomaly

47.2859, 0.4214, 0.4195

Deuteranomaly

47.4922, 0.4456, 0.4138

Tritanomaly

47.2089, 0.4281, 0.3492

Monochromacy



Original Color

47.5224, 0.4668, 0.3967

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8519, 0.3660, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5224, 0.4668, 0.3967 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 92) }
```

Border

The CSS property to change the border of an element to Yxy 47.5224, 0.4668, 0.3967 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, 92) }
```

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

```
.border{ border-color:rgb(255, 161, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5224, 0.4668, 0.3967 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, 92) }
```

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

```
.background{ background-color: rgb(255,  
161, 92) }
```

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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