

Converting Colors

$Y_{xy}(47.0860, 0.4587, 0.3917)$

Have a look what the booklet for
Yxy(47.0860, 0.4587, 0.3917)
contains.

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Color

Yxy(47.0860, 0.4587, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	FCA163
RGB	252, 161, 99
RGB Percent	99%, 63%, 39%
CMY	0.0118, 0.3686, 0.6118
CMYK	0.00, 0.36, 0.61, 0.01
HSL	24°, 96%, 69%
HSV	24°, 61%, 99%
XYZ	55.1400, 47.0860, 17.9833
YIQ	181.1410, 74.1380, 0.0100

Conversions

Conversions Part 2

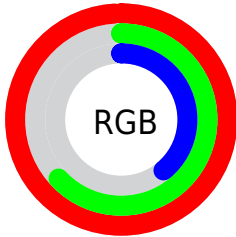
Format	Color
R _Y B	252, 203, 99
Decimal	16556387
CIE Lab	74.24, 28.02, 45.86
CIE LCh	74, 53.747, 58.573
Yxy	47.0860, 0.4587, 0.3917
Android (android.graphics.Color)	4294746467 (0xFFFC A163)
YUV	181.1410, -40.4955, 62.1433
Hunter-Lab	68.6192, 23.3527, 32.4951

Details

The Yxy color **47.0860, 0.4587, 0.3917** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.4950, 0.2205, 0.2493**, and the grayscale version is **46.4829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6061, 0.3890, 0.3956**, and **22.2439, 0.4948, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **41.7517, 0.4911, 0.3969**, and if you desaturate by 10%, it is **53.2031, 0.4274, 0.3833**.

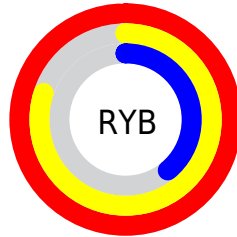
Distribution



Red (99%)

Green (63%)

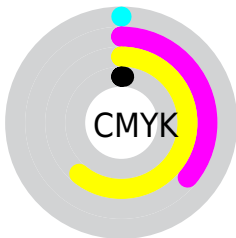
Blue (39%)



Red (99%)

Yellow (80%)

Blue (39%)

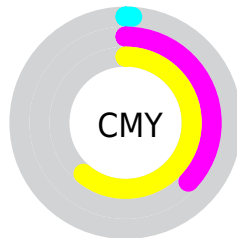


Cyan (0%)

Magenta (36%)

Yellow (61%)

Black (1%)



Cyan (1%)


Magenta (37%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0860, 0.4587, 0.3917 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 47.0860, 0.4587, 0.3917 by changing the saturation by 10% instead.


 47.0860, 0.4587,
0.3917


 47.0860, 0.4587,
0.3917


375.1577, 0.3870,
0.3661

 33.1036, 0.4753,
0.3959


 85.8420, 0.4334,
0.3840


 22.2059, 0.4957,
0.3999


 111.3844, 0.4237,
0.3806

 14.0082, 0.5207,
0.4029


 141.5490, 0.4153,
0.3775

 8.1264, 0.5515,
0.4028

 176.7200, 0.4081,
0.3748

 4.1759, 0.5983,
0.4017

217.2821, 0.4018,
0.3723

 1.7725, 0.6303,
0.3697

263.6194, 0.3963,

 0.4699, 0.7126,

0.3700

0.2874

316.1165, 0.3914,
0.3680

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.0860, 0.4587,
0.3917

47.0860, 0.4587,
0.3917

41.7517, 0.4911,
0.3969

53.2031, 0.4274,
0.3833

37.1563, 0.5224,
0.3977

60.1295, 0.3985,
0.3731


33.2616, 0.5502,
0.3931


67.8988, 0.3727,
0.3620

30.2262, 0.5713,
0.3845

76.5406, 0.3501,
0.3508

 86.0827, 0.3306,
0.3400

 96.5517, 0.3138,
0.3297

 99.4344, 0.3109,
0.3290

Harmonies

Analogous

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



47.0860, 0.4507, 0.3363



47.0860, 0.4587, 0.3917



47.0860, 0.4238, 0.4413

Triad

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



47.0860, 0.4587, 0.3917



47.0860, 0.2279, 0.3746



47.0860, 0.2524, 0.2192

Complementary

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



47.0860, 0.4587, 0.3917



46.4950, 0.2205, 0.2493

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.



47.0860, 0.2049, 0.2178



47.0860, 0.4587, 0.3917



47.0860, 0.1915, 0.2970

Square

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



47.0860, 0.4587, 0.3917



47.0860, 0.2896, 0.4440



47.0860, 0.1842, 0.2426



47.0860, 0.3225, 0.2429

Rectangle

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



47.0860, 0.4587, 0.3917



47.0860, 0.3842, 0.4626



47.0860, 0.1842, 0.2426



47.0860, 0.2337, 0.2161

Sweetspot

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



47.0884, 0.4587, 0.3917



81.1935, 0.3445, 0.3478



33.3683, 0.3853, 0.2381



16.7897, 0.3505, 0.3510



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.



47.0884, 0.4587, 0.3917



41.7274, 0.4986, 0.3976



81.9863, 0.4069, 0.4596



18.3803, 0.3284, 0.3387



16.0172, 0.5684, 0.3869



1.6855, 0.5467, 0.4041

Inverse Universe

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



46.4950, 0.2205, 0.2493



40.9380, 0.2060, 0.2297



21.7799, 0.1979, 0.1499



18.3594, 0.2980, 0.3191



15.2957, 0.1862, 0.1902



1.6247, 0.1913, 0.2085

Previews

White Background



This preview shows how the Yxy color 47.0860, 0.4587, 0.3917 looks on a white background.

Color Contrast Check

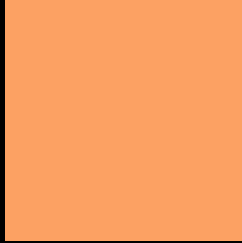
Large Text (above 18pt) WCAG AA × Fail

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 47.0860, 0.4587, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

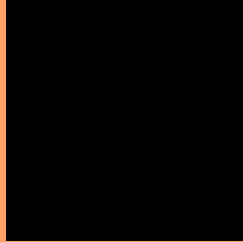
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0860, 0.4587, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 47.0860, 0.4587, 0.3917.



This preview shows how white text looks on a background with the Yxy color 47.0860, 0.4587, 0.3917.

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

47.0860, 0.4587, 0.3917

Protanopia

47.3460, 0.3908, 0.4236

Deuteranopia

46.9639, 0.4264, 0.4173



Tritanopia

47.0878, 0.4020, 0.3177

Trichromacy



Original Color

47.0860, 0.4587, 0.3917

Protanomaly

46.8751, 0.4158, 0.4117

Deuteranomaly

46.7314, 0.4384, 0.4075

Tritanomaly

47.1079, 0.4242, 0.3461

Monochromacy



Original Color

47.0860, 0.4587, 0.3917

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7719, 0.3632, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0860, 0.4587, 0.3917 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(252, 161, 99)` looks like.

```
.text, #text, p{  
    color:rgb(252, 161, 99)  
}
```

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(252, 161, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 161, 99) }
```

Border

The CSS property to change the border of an element to Yxy 47.0860, 0.4587, 0.3917 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(252, 161, 99) }
```

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

```
.border{ border-color:rgb(252, 161, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 161, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 161, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 161, 99);  
box-shadow:4px 4px 4px 4px rgb(252, 161,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0860, 0.4587, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 161, 99) }
```

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

```
.background{ background-color: rgb(252,  
161, 99) }
```

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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