

Converting Colors

$Y_{xy}(49.3089, 0.5253, 0.3662)$

Have a look what the booklet for
Yxy(49.3089, 0.5253, 0.3662)
contains.

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Color

Yxy(39.5402, 0.4927, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	FF8856
RGB	255, 136, 86
RGB Percent	100%, 53%, 34%
CMY	0.0001, 0.4666, 0.6628
CMYK	0.00, 0.47, 0.66, 0.00
HSL	18°, 100%, 67%
HSV	18°, 66%, 100%
XYZ	51.7161, 39.5402, 13.7084
YIQ	165.8810, 86.9740, 9.6780

Conversions

Conversions Part 2

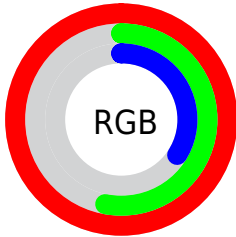
Format	Color
R _Y B	255, 157, 86
Decimal	16746582
CIE Lab	69.14, 41.21, 46.55
CIE LCh	69, 62.172, 48.487
Yxy	39.5402, 0.4927, 0.3767
Android (android.graphics.Color)	4294936662 (0xFFFF8856)
YUV	165.8810, -39.3813, 78.1574
Hunter-Lab	62.8810, 36.7645, 31.0912

Details

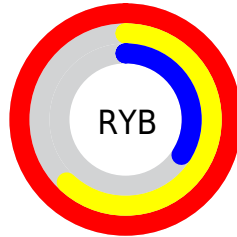
The Yxy color **39.5402, 0.4927, 0.3767** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **52.8290, 0.2196, 0.2655**, and the grayscale version is **38.2377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3277, 0.4111, 0.3852**, and **17.8117, 0.5407, 0.3777** is the 20% darker color. If you saturate the color by 10%, you get **34.5617, 0.5302, 0.3775**, and if you desaturate by 10%, it is **45.5159, 0.4555, 0.3724**.

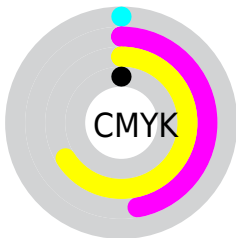
Distribution



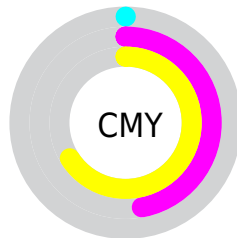
- Red (100%)
- Green (53%)
- Blue (34%)



- Red (100%)
- Yellow (62%)
- Blue (34%)



- Cyan (0%)
- Magenta (47%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5402, 0.4927, 0.3767 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 39.5402, 0.4927, 0.3767 by changing the saturation by 10% instead.


 39.5402, 0.4927,
0.3767


 39.5402, 0.4927,
0.3767


344.1818, 0.4019,
0.3605

 27.1802, 0.5142,
0.3777


 74.4628, 0.4603,
0.3730


 17.7086, 0.5405,
0.3771


 97.7943, 0.4479,
0.3709

 10.7410, 0.5729,
0.3731


 125.5517, 0.4373,
0.3689

 5.8930, 0.6184,
0.3656

 158.1194, 0.4282,
0.3670

 2.7801, 0.6617,
0.3383

 195.8819, 0.4203,
0.3652

 1.0180, 0.7142,
0.2858

239.2235, 0.4134,

 0.0000, 1.0000,

0.3635

0.0000

288.5287, 0.4073,
0.3620

■ 0.0000, 0.0000,
0.0000

■ 39.5402, 0.4927,
0.3767

■ 39.5402, 0.4927,
0.3767

■ 34.5617, 0.5302,
0.3775

■ 45.5159, 0.4555,
0.3724

■ 30.5157, 0.5645,
0.3737

■ 52.5357, 0.4211,
0.3658


■ 27.3379, 0.5919,
0.3652

■ 60.6509, 0.3905,
0.3579

■ 26.3545, 0.6004,
0.3614

■ 69.9072, 0.3642,
0.3496

■ 80.3478, 0.3418,
0.3414

 92.0134, 0.3230,
0.3336

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.



39.5402, 0.4655, 0.3132



39.5402, 0.4927, 0.3767



39.5402, 0.4630, 0.4409

Triad

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



39.5402, 0.4927, 0.3767



39.5402, 0.2310, 0.4190



39.5402, 0.2176, 0.1957

Complementary

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



39.5402, 0.4927, 0.3767



52.8290, 0.2196, 0.2655

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.



39.5402, 0.1735, 0.2023



39.5402, 0.4927, 0.3767



39.5402, 0.1784, 0.3174

Square

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



39.5402, 0.4927, 0.3767



39.5402, 0.3105, 0.4907



39.5402, 0.1601, 0.2408



39.5402, 0.2926, 0.2152

Rectangle

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



39.5402, 0.4927, 0.3767



39.5402, 0.4206, 0.4774



39.5402, 0.1601, 0.2408



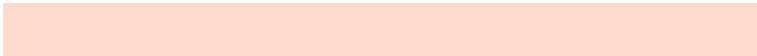
39.5402, 0.1994, 0.1948

Sweetspot

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



39.5423, 0.4927, 0.3767



76.3354, 0.3497, 0.3445



32.4186, 0.3706, 0.2152



15.7117, 0.3560, 0.3468



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.



39.5423, 0.4927, 0.3767



32.9563, 0.5436, 0.3766



72.2560, 0.4268, 0.4530



18.8635, 0.3287, 0.3361



13.9985, 0.5975, 0.3638



1.5432, 0.5754, 0.3813

Inverse Universe

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



52.8290, 0.2196, 0.2655



46.7732, 0.2075, 0.2499



23.2642, 0.1931, 0.1554



19.5197, 0.2980, 0.3218



20.9951, 0.1970, 0.2293



2.2345, 0.2006, 0.2420

Previews

White Background



This preview shows how the Yxy color 39.5402, 0.4927, 0.3767 looks on a white background.

Color Contrast Check

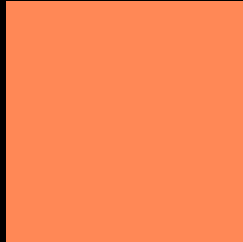
Large Text (above 18pt) WCAG AA × Fail

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 39.5402, 0.4927, 0.3767 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 39.5402, 0.4927, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 39.5402, 0.4927, 0.3767.



This preview shows how white text looks on a background with the Yxy color 39.5402, 0.4927, 0.3767.

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

39.5402, 0.4927, 0.3767

Protanopia

39.6781, 0.3922, 0.4252

Deuteranopia

39.6242, 0.4343, 0.4251



Tritanopia

39.6560, 0.4391, 0.3211

Trichromacy



Original Color

39.5402, 0.4927, 0.3767

Protanomaly

38.7531, 0.4290, 0.4065

Deuteranomaly

39.2344, 0.4568, 0.4062

Tritanomaly

39.3911, 0.4611, 0.3426

Monochromacy



Original Color

39.5402, 0.4927, 0.3767

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.2546, 0.3745, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5402, 0.4927, 0.3767 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, 136, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 86)  
}
```

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, 136, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 86) }
```

Border

The CSS property to change the border of an element to Yxy 39.5402, 0.4927, 0.3767 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, 136, 86) }
```

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

```
.border{ border-color:rgb(255, 136, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
86) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.5402, 0.4927, 0.3767$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 86) }
```

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

```
.background{ background-color: rgb(255,  
136, 86) }
```

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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