

Converting Colors

$Y_{xy}(46.9857, 0.4515, 0.3854)$

Have a look what the booklet for
Yxy(46.9857, 0.4515, 0.3854)
contains.

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Color

Yxy(47.0396, 0.4520, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	FBA16A
RGB	251, 161, 106
RGB Percent	98%, 63%, 42%
CMY	0.0156, 0.3687, 0.5843
CMYK	0.00, 0.36, 0.58, 0.02
HSL	23°, 95%, 70%
HSV	23°, 58%, 98%
XYZ	55.1398, 47.0396, 19.8113
YIQ	181.6400, 71.2950, 1.9750

Conversions

Conversions Part 2

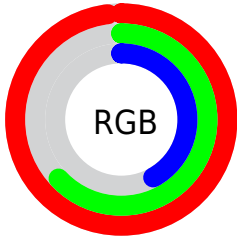
Format	Color
R _Y B	251, 195, 106
Decimal	16490858
CIE Lab	74.22, 28.15, 42.21
CIE LCh	74, 50.738, 56.301
Yxy	47.0396, 0.4520, 0.3856
Android (android.graphics.Color)	4294680938 (0xFFFB16A)
YUV	181.6400, -37.2905, 60.8287
Hunter-Lab	68.5854, 23.4820, 30.8835

Details

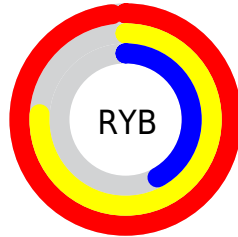
The Yxy color **47.0396, 0.4520, 0.3856** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.5374, 0.2255, 0.2590**, and the grayscale version is **46.7522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8404, 0.3840, 0.3886**, and **22.1798, 0.4872, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **41.4819, 0.4855, 0.3913**, and if you desaturate by 10%, it is **53.4340, 0.4203, 0.3772**.

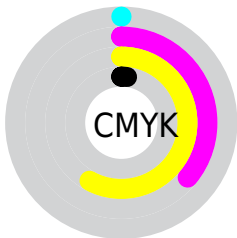
Distribution



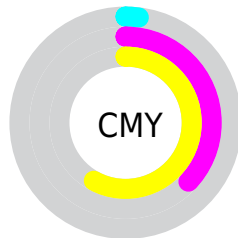
- Red (98%)
- Green (63%)
- Blue (42%)



- Red (98%)
- Yellow (76%)
- Blue (42%)



- Cyan (0%)
- Magenta (36%)
- Yellow (58%)
- Black (2%)





- Cyan (2%)
- Magenta (37%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0396, 0.4520, 0.3856 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 47.0396, 0.4520, 0.3856 by changing the saturation by 10% instead.

 47.0396, 0.4520,
0.3856


 47.0396, 0.4520,
0.3856


374.9726, 0.3832,
0.3623

 33.0670, 0.4682,
0.3895


 85.7727, 0.4276,
0.3785


 22.1777, 0.4883,
0.3934


 111.3020, 0.4182,
0.3754

 13.9876, 0.5133,
0.3965


 141.4523, 0.4102,
0.3726

 8.1120, 0.5447,
0.3971

 176.6080, 0.4033,
0.3701

 4.1667, 0.5988,
0.4012

217.1535, 0.3973,
0.3679

 1.7672, 0.6309,
0.3691

263.4731, 0.3920,

 0.4666, 0.7140,

0.3658

0.2860

315.9514, 0.3873,
0.3640

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.0396, 0.4520,
0.3856

47.0396, 0.4520,
0.3856

41.4819, 0.4855,
0.3913

53.4340, 0.4203,
0.3772

36.7151, 0.5187,
0.3930


60.6936, 0.3915,
0.3673

32.6990, 0.5490,
0.3896


68.8543, 0.3662,
0.3568


29.3836, 0.5737,
0.3809

77.9473, 0.3442,
0.3464

 28.7299, 0.5787,
0.3787

 88.0026, 0.3254,
0.3364

 98.9429, 0.3103,
0.3285

 99.2556, 0.3103,
0.3290

Harmonies

Analogous

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



47.0396, 0.4406, 0.3326



47.0396, 0.4520, 0.3856



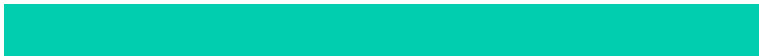
47.0396, 0.4222, 0.4331

Triad

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



47.0396, 0.4520, 0.3856



47.0396, 0.2363, 0.3778



47.0396, 0.2514, 0.2234

Complementary

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



47.0396, 0.4520, 0.3856



49.5374, 0.2255, 0.2590

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.



47.0396, 0.2077, 0.2241



47.0396, 0.4520, 0.3856



47.0396, 0.1991, 0.3042

Square

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



47.0396, 0.4520, 0.3856



47.0396, 0.2964, 0.4402



47.0396, 0.1898, 0.2502



47.0396, 0.3167, 0.2446

Rectangle

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



47.0396, 0.4520, 0.3856



47.0396, 0.3858, 0.4540



47.0396, 0.1898, 0.2502



47.0396, 0.2340, 0.2210

Sweetspot

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



47.0420, 0.4520, 0.3856



81.5287, 0.3427, 0.3456



34.8965, 0.3745, 0.2371



17.0248, 0.3468, 0.3477



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.



47.0420, 0.4520, 0.3856



42.3065, 0.4898, 0.3918



79.0998, 0.4057, 0.4509



18.3035, 0.3284, 0.3380



15.3553, 0.5757, 0.3811



1.6192, 0.5534, 0.3988

Inverse Universe

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



49.5374, 0.2255, 0.2590



44.9785, 0.2120, 0.2424



24.7871, 0.2050, 0.1653



18.4383, 0.2980, 0.3198



16.4222, 0.1888, 0.1996



1.7253, 0.1935, 0.2167

Previews

White Background



This preview shows how the Yxy color 47.0396, 0.4520, 0.3856 looks on a white background.

Color Contrast Check

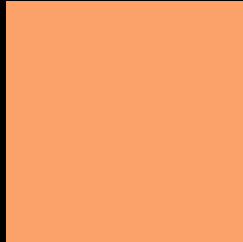
Large Text (above 18pt) WCAG AA × Fail

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 47.0396, 0.4520, 0.3856 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 47.0396, 0.4520, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 47.0396, 0.4520, 0.3856.



This preview shows how white text looks on a background with the Yxy color 47.0396, 0.4520, 0.3856.

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

47.0396, 0.4520, 0.3856

Protanopia

47.2240, 0.3835, 0.4161

Deuteranopia

46.9394, 0.4200, 0.4106



Tritanopia

47.0878, 0.4020, 0.3177

Trichromacy



Original Color

47.0396, 0.4520, 0.3856

Protanomaly

46.7131, 0.4083, 0.4048

Deuteranomaly

46.6990, 0.4319, 0.4010

Tritanomaly

47.1984, 0.4212, 0.3430

Monochromacy



Original Color

47.0396, 0.4520, 0.3856

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.8706, 0.3605, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0396, 0.4520, 0.3856 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(251, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(251, 161, 106)  
}
```

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(251, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 161, 106) }
```

Border

The CSS property to change the border of an element to Yxy 47.0396, 0.4520, 0.3856 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(251, 161, 106) }
```

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

```
.border{ border-color:rgb(251, 161, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 161, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 161, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 161, 106);  
box-shadow:4px 4px 4px 4px rgb(251, 161,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0396, 0.4520, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 161, 106) }
```

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

```
.background{ background-color: rgb(251,  
161, 106) }
```

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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