

Converting Colors

$Yxy(42.0046, 0.4818, 0.3904)$

Have a look what the booklet for
Yxy(42.0046, 0.4818, 0.3904)
contains.

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Color

Yxy(42.0168, 0.4816, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	FB9354
RGB	251, 147, 84
RGB Percent	98%, 58%, 33%
CMY	0.0157, 0.4235, 0.6707
CMYK	0.00, 0.41, 0.67, 0.02
HSL	23°, 95%, 66%
HSV	23°, 67%, 98%
XYZ	51.8189, 42.0168, 13.7617
YIQ	170.9140, 82.2070, 2.4550

Conversions

Conversions Part 2

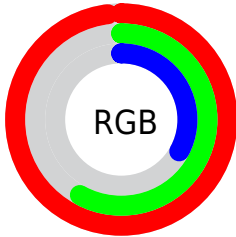
Format	Color
R _Y B	251, 185, 84
Decimal	16487252
CIE Lab	70.88, 33.97, 49.43
CIE LCh	71, 59.976, 55.501
Yxy	42.0168, 0.4816, 0.3905
Android (android.graphics.Color)	4294677332 (0xFFFB9354)
YUV	170.9140, -42.8486, 70.2354
Hunter-Lab	64.8204, 29.2615, 32.7867

Details

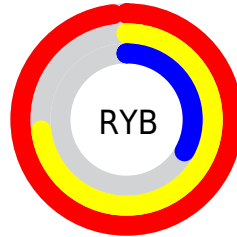
The Yxy color **42.0168, 0.4816, 0.3905** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.8080, 0.2149, 0.2466**, and the grayscale version is **40.8680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2786, 0.4062, 0.3969**, and **19.1187, 0.5246, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **37.1585, 0.5151, 0.3927**, and if you desaturate by 10%, it is **47.6808, 0.4481, 0.3844**.

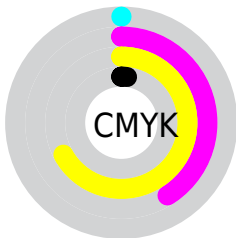
Distribution



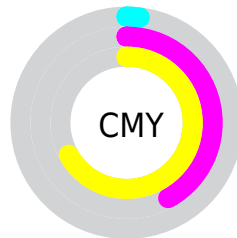
- Red (98%)
- Green (58%)
- Blue (33%)



- Red (98%)
- Yellow (73%)
- Blue (33%)



- Cyan (0%)
- Magenta (41%)
- Yellow (67%)
- Black (2%)





- Cyan (2%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0168, 0.4816, 0.3905 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 42.0168, 0.4816, 0.3905 by changing the saturation by 10% instead.


 42.0168, 0.4816,
0.3905

 42.0168, 0.4816,
0.3905


354.5526, 0.3977,
0.3671

 29.1144, 0.5010,
0.3933


 78.2251, 0.4520,
0.3841

 19.1674, 0.5246,
0.3951

 102.2997, 0.4405,
0.3811


 11.7913, 0.5532,
0.3944


 130.8673, 0.4307,
0.3782

 6.6017, 0.5928,
0.3913

 164.3122, 0.4223,
0.3756

 3.2143, 0.6295,
0.3705

 203.0188, 0.4149,
0.3732

 1.2446, 0.6727,
0.3273

247.3714, 0.4085,

 0.0977, 0.9044,

0.3710

0.0956

297.7546, 0.4028,
0.3690

0.0000, 0.0000,
0.0000

42.0168, 0.4816,
0.3905

42.0168, 0.4816,
0.3905

37.1585, 0.5151,
0.3927

47.6808, 0.4481,
0.3844

33.0569, 0.5460,
0.3899

54.1823, 0.4167,
0.3758

29.6661, 0.5714,
0.3818


61.5591, 0.3883,
0.3659

28.6433, 0.5792,
0.3783

69.8445, 0.3633,
0.3554

79.0700, 0.3418,
0.3450

 89.2652, 0.3233,
0.3351

 99.2505, 0.3103,
0.3290

Harmonies

Analogous

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



42.0168, 0.4684, 0.3287



42.0168, 0.4816, 0.3905



42.0168, 0.4439, 0.4499

Triad

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



42.0168, 0.4816, 0.3905



42.0168, 0.2209, 0.3916



42.0168, 0.2365, 0.2037

Complementary

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



42.0168, 0.4816, 0.3905



44.8080, 0.2149, 0.2466

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.



42.0168, 0.1869, 0.2042



42.0168, 0.4816, 0.3905



42.0168, 0.1776, 0.2985

Square

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



42.0168, 0.4816, 0.3905



42.0168, 0.2925, 0.4706



42.0168, 0.1671, 0.2339



42.0168, 0.3141, 0.2278

Rectangle

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



42.0168, 0.4816, 0.3905



42.0168, 0.3996, 0.4794



42.0168, 0.1671, 0.2339



42.0168, 0.2166, 0.2010

Sweetspot

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



42.0190, 0.4816, 0.3905



78.5255, 0.3489, 0.3486



30.5553, 0.3883, 0.2272



16.2312, 0.3550, 0.3515



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.



42.0190, 0.4816, 0.3905



36.9311, 0.5264, 0.3923



77.0432, 0.4177, 0.4642



18.2984, 0.3285, 0.3380



15.3128, 0.5762, 0.3807



1.6149, 0.5539, 0.3984

Inverse Universe

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



44.8080, 0.2149, 0.2466



39.7742, 0.2013, 0.2266



19.2089, 0.1888, 0.1381



18.4437, 0.2980, 0.3198



16.4999, 0.1890, 0.2002



1.7322, 0.1937, 0.2173

Previews

White Background



This preview shows how the Yxy color 42.0168, 0.4816, 0.3905 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 42.0168, 0.4816, 0.3905 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 42.0168, 0.4816, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 42.0168, 0.4816, 0.3905.



This preview shows how white text looks on a background with the Yxy color 42.0168, 0.4816, 0.3905.

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

42.0168, 0.4816, 0.3905

Protanopia

42.2689, 0.3981, 0.4331

Deuteranopia

41.9365, 0.4368, 0.4267



Tritanopia

41.8952, 0.4255, 0.3189

Trichromacy



Original Color

42.0168, 0.4816, 0.3905

Protanomaly

41.4352, 0.4281, 0.4168

Deuteranomaly

41.5418, 0.4542, 0.4128

Tritanomaly

41.8975, 0.4492, 0.3469

Monochromacy



Original Color

42.0168, 0.4816, 0.3905

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.9841, 0.3718, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0168, 0.4816, 0.3905 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, 147, 84)` looks like.

```
.text, #text, p{  
    color:rgb(251, 147, 84)  
}
```

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, 147, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 147, 84) }
```

Border

The CSS property to change the border of an element to Yxy 42.0168, 0.4816, 0.3905 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, 147, 84) }
```

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

```
.border{ border-color:rgb(251, 147, 84) }
```

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

Here you see how a box with a 4 pixel rgb(251, 147, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 147, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 147, 84);  
box-shadow:4px 4px 4px 4px rgb(251, 147,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0168, 0.4816, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 147, 84) }
```

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

```
.background{ background-color: rgb(251,  
147, 84) }
```

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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