

# Converting Colors

$Y_{xy}(44.0810, 0.4618, 0.3769)$

Have a look what the booklet for  
Yxy(44.0810, 0.4618, 0.3769)  
contains.

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# Color

**Yxy(44.0153, 0.4628, 0.3767)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD9768
RGB	253, 151, 104
RGB Percent	99%, 59%, 41%
CMY	0.0078, 0.4078, 0.5920
CMYK	0.00, 0.40, 0.59, 0.01
HSL	19°, 97%, 70%
HSV	19°, 59%, 99%
XYZ	54.0756, 44.0153, 18.7535
YIQ	176.1400, 75.8790, 7.0070

# Conversions

## Conversions Part 2

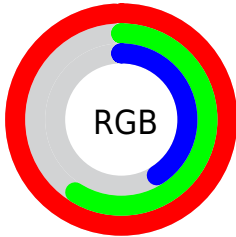
Format	Color
R <sub>Y</sub> B	253, 173, 104
Decimal	16619368
CIE Lab	72.24, 33.97, 40.86
CIE LCh	72, 53.136, 50.260
Yxy	44.0153, 0.4628, 0.3767
Android (android.graphics.Color)	4294809448 (0xFFFD9768)
YUV	176.1400, -35.5650, 67.4062
Hunter-Lab	66.3440, 29.3895, 29.6813

# Details

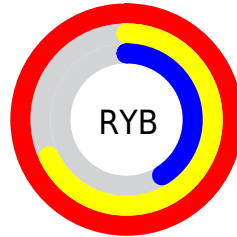
The Yxy color **44.0153, 0.4628, 0.3767** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.2004, 0.2268, 0.2700**, and the grayscale version is **43.6555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8029, 0.3894, 0.3809**, and **20.4060, 0.5033, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **38.4053, 0.4994, 0.3806**, and if you desaturate by 10%, it is **50.6034, 0.4283, 0.3701**.

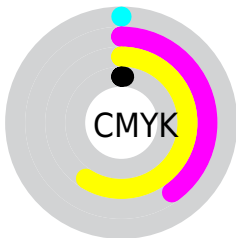
# Distribution



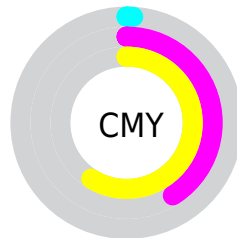
- Red (99%)
- Green (59%)
- Blue (41%)



- Red (99%)
- Yellow (68%)
- Blue (41%)



- Cyan (0%)
- Magenta (40%)
- Yellow (59%)
- Black (1%)




- Cyan (1%)
- Magenta (41%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0153, 0.4628, 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 44.0153, 0.4628, 0.3767 by changing the saturation by 10% instead.




 44.0153, 0.4628,  
0.3767

 44.0153, 0.4628,  
0.3767


362.7707, 0.3876,  
0.3582


 30.6825, 0.4808,  
0.3793


 81.2408, 0.4359,  
0.3714

 20.3572, 0.5031,  
0.3814


 105.9023, 0.4256,  
0.3690

 12.6550, 0.5313,  
0.3820


 135.1088, 0.4169,  
0.3668

 7.1914, 0.5669,  
0.3788

 169.2447, 0.4094,  
0.3647

 3.5821, 0.6251,  
0.3749

208.6945, 0.4029,  
0.3629

 1.4427, 0.6654,  
0.3346

253.8425, 0.3971,

 0.2478, 0.8141,

0.3612

0.1859

305.0731, 0.3921,  
0.3596

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.0153, 0.4628,  
0.3767

44.0153, 0.4628,  
0.3767

38.4053, 0.4994,  
0.3806

50.6034, 0.4283,  
0.3701

33.7168, 0.5356,  
0.3806

58.2087, 0.3972,  
0.3620

29.8970, 0.5678,  
0.3757

66.8764, 0.3702,  
0.3532

26.8796, 0.5931,  
0.3663

76.6465, 0.3471,  
0.3445

■ 26.5852, 0.5957,  
0.3652

■ 87.5572, 0.3275,  
0.3360

99.5900, 0.3115,  
0.3289

99.6230, 0.3115,  
0.3290

# Harmonies

## Analogous

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



44.0153, 0.4415, 0.3210



44.0153, 0.4628, 0.3767



44.0153, 0.4382, 0.4298

# Triad

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



44.0153, 0.4628, 0.3767



44.0153, 0.2422, 0.3974



44.0153, 0.2359, 0.2154

# Complementary

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



44.0153, 0.4628, 0.3767



54.2004, 0.2268, 0.2700

# 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.



44.0153, 0.1953, 0.2208



44.0153, 0.4628, 0.3767



44.0153, 0.1975, 0.3167

# Square

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



44.0153, 0.4628, 0.3767



44.0153, 0.3092, 0.4574



44.0153, 0.1822, 0.2538



44.0153, 0.3013, 0.2334



# Rectangle

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



44.0153, 0.4628, 0.3767



44.0153, 0.4026, 0.4568



44.0153, 0.1822, 0.2538



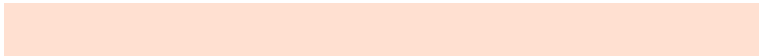
44.0153, 0.2194, 0.2144

# Sweetspot

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



44.0176, 0.4628, 0.3767



78.9490, 0.3452, 0.3437



35.3619, 0.3648, 0.2267



16.2470, 0.3515, 0.3462



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.



44.0176, 0.4628, 0.3767



37.9935, 0.5073, 0.3810



74.7710, 0.4132, 0.4448



18.9214, 0.3286, 0.3366



14.3712, 0.5928, 0.3675



1.5854, 0.5707, 0.3850



# Inverse Universe

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



54.2004, 0.2268, 0.2700



49.0269, 0.2138, 0.2554



27.0422, 0.2055, 0.1740



19.4587, 0.2980, 0.3213



19.9938, 0.1951, 0.2224



2.1429, 0.1989, 0.2360



# Previews

## White Background



This preview shows how the Yxy color 44.0153, 0.4628, 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 44.0153, 0.4628, 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 44.0153, 0.4628, 0.3767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0153, 0.4628, 0.3767.



This preview shows how white text looks on a background with the Yxy color 44.0153, 0.4628, 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

44.0153, 0.4628, 0.3767

### Protanopia

44.3932, 0.3803, 0.4123

### Deuteranopia

44.0477, 0.4202, 0.4104



## Tritanopia

43.9111, 0.4151, 0.3178

# Trichromacy



**Original Color**

44.0153, 0.4628, 0.3767

**Protanomaly**

43.5781, 0.4106, 0.3990

**Deuteranomaly**

43.6032, 0.4366, 0.3974

**Tritanomaly**

43.7444, 0.4336, 0.3398

# Monochromacy



**Original Color**

44.0153, 0.4628, 0.3767

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.6768, 0.3635, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0153, 0.4628, 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(253, 151, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 151, 104)  
}
```

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(253, 151, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 151, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0153, 0.4628, 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(253, 151, 104) }
```

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

```
.border{ border-color:rgb(253, 151, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 151, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 151, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 151, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 151,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0153, 0.4628, 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(253, 151, 104) }
```

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

```
.background{ background-color: rgb(253,  
151, 104) }
```

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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