

# Converting Colors

$Y_{xy}(54.1057, 0.4409, 0.4039)$

Have a look what the booklet for  
Yxy(54.1057, 0.4409, 0.4039)  
contains.

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# Color

**Yxy(54.1428, 0.4416, 0.4040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDB369
RGB	253, 179, 105
RGB Percent	99%, 70%, 41%
CMY	0.0078, 0.2980, 0.5883
CMYK	0.00, 0.29, 0.59, 0.01
HSL	30°, 97%, 70%
HSV	30°, 59%, 99%
XYZ	59.1818, 54.1428, 20.6922
YIQ	192.6900, 67.8580, -7.3260

# Conversions

## Conversions Part 2

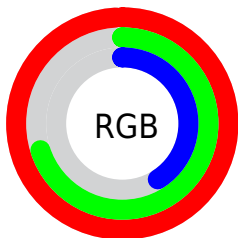
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 253, 105
Decimal	16626537
CIE Lab	78.54, 19.44, 48.02
CIE LCh	79, 51.807, 67.963
Yxy	54.1428, 0.4416, 0.4040
Android (android.graphics.Color)	4294816617 (0xFFFD369)
YUV	192.6900, -43.2312, 52.8919
Hunter-Lab	73.5818, 14.7994, 34.8341

# Details

The Yxy color **54.1428, 0.4416, 0.4040** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.3373, 0.2192, 0.2339**, and the grayscale version is **53.3669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1453, 0.3769, 0.4064**, and **26.5350, 0.4723, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **48.8596, 0.4695, 0.4122**, and if you desaturate by 10%, it is **60.0514, 0.4143, 0.3928**.

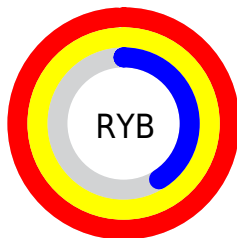
# Distribution



Red (99%)

Green (70%)

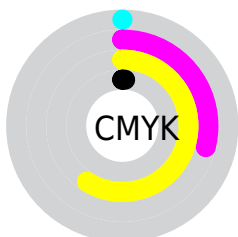
Blue (41%)



Red (99%)

Yellow (99%)

Blue (41%)

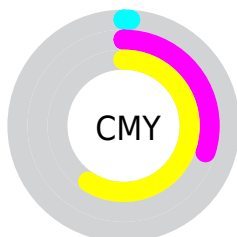


Cyan (0%)

Magenta (29%)

Yellow (59%)

Black (1%)



Cyan (1%)

Magenta (30%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1428, 0.4416, 0.4040 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 54.1428, 0.4416, 0.4040 by changing the saturation by 10% instead.





 54.1428, 0.4416,  
0.4040


 54.1428, 0.4416,  
0.4040


402.6543, 0.3801,  
0.3720


 38.7158, 0.4554,  
0.4100


 96.2839, 0.4203,  
0.3938


 26.5387, 0.4721,  
0.4165

 123.7668, 0.4120,  
0.3896

 17.2271, 0.4924,  
0.4230


 156.0371, 0.4048,  
0.3858

 10.3965, 0.5169,  
0.4285

 193.4793, 0.3985,  
0.3824

 5.6627, 0.5557,  
0.4378

236.4778, 0.3931,  
0.3794

 2.6411, 0.5787,  
0.4213

285.4168, 0.3882,

 0.9474, 0.6119,

0.3766

0.3881

340.6808, 0.3839,  
0.3742

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.1428, 0.4416,  
0.4040

54.1428, 0.4416,  
0.4040

48.8596, 0.4695,  
0.4122

60.0514, 0.4143,  
0.3928

44.1671, 0.4964,  
0.4161

66.6017, 0.3888,  
0.3800

40.0382, 0.5206,  
0.4147

73.8192, 0.3655,  
0.3664

36.4356, 0.5407,  
0.4078

81.7251, 0.3447,  
0.3528

■ 35.9367, 0.5436,  
0.4066

■ 90.3399, 0.3264,  
0.3396

99.5663, 0.3115,  
0.3289

99.6257, 0.3115,  
0.3290

# Harmonies

## Analogous

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



54.1428, 0.4469, 0.3530



54.1428, 0.4416, 0.4040



54.1428, 0.4002, 0.4442

# Triad

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



54.1428, 0.4416, 0.4040



54.1428, 0.2209, 0.3480



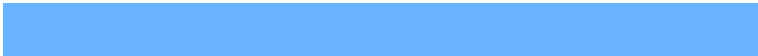
54.1428, 0.2757, 0.2314

# Complementary

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



54.1428, 0.4416, 0.4040



42.3373, 0.2192, 0.2339

# 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.



54.1428, 0.2238, 0.2234



54.1428, 0.4416, 0.4040



54.1428, 0.1949, 0.2815

# Square

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



54.1428, 0.4416, 0.4040



54.1428, 0.2723, 0.4173



54.1428, 0.1962, 0.2390



54.1428, 0.3445, 0.2595



# Rectangle

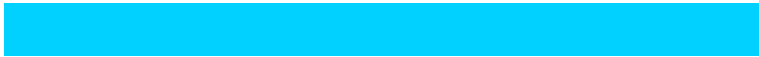
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.1428, 0.4416, 0.4040



54.1428, 0.3600, 0.4555



54.1428, 0.1962, 0.2390



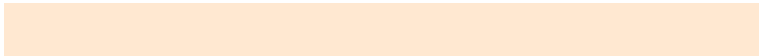
54.1428, 0.2559, 0.2263

# Sweetspot

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



54.1455, 0.4416, 0.4040



83.6094, 0.3438, 0.3521



34.3419, 0.3966, 0.2524



17.3764, 0.3495, 0.3560



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.



54.1455, 0.4416, 0.4040



48.9695, 0.4737, 0.4131



90.6182, 0.3974, 0.4652



19.4877, 0.3282, 0.3409



19.4058, 0.5411, 0.4086

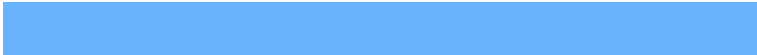


2.1079, 0.5235, 0.4226



# Inverse Universe

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



42.3373, 0.2192, 0.2339



35.9597, 0.2035, 0.2111



20.7060, 0.1991, 0.1428



18.8785, 0.2979, 0.3168



12.0706, 0.1771, 0.1574



1.3937, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 54.1428, 0.4416, 0.4040 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 54.1428, 0.4416, 0.4040 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 54.1428, 0.4416, 0.4040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1428, 0.4416, 0.4040.



This preview shows how white text looks on a background with the Yxy color 54.1428, 0.4416, 0.4040.

# 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

54.1428, 0.4416, 0.4040

### Protanopia

54.4741, 0.3931, 0.4272

### Deuteranopia

54.4478, 0.4262, 0.4173



## Tritanopia

54.2257, 0.3774, 0.3166

# Trichromacy



**Original Color**

54.1428, 0.4416, 0.4040

**Protanomaly**

53.9933, 0.4103, 0.4184

**Deuteranomaly**

54.0995, 0.4319, 0.4118

**Tritanomaly**

54.0973, 0.4023, 0.3504

# Monochromacy



**Original Color**

54.1428, 0.4416, 0.4040

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

52.9867, 0.3577, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1428, 0.4416, 0.4040 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, 179, 105)` looks like.

```
.text, #text, p{  
    color:rgb(253, 179, 105)  
}
```

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, 179, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 179, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1428, 0.4416, 0.4040 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, 179, 105) }
```

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

```
.border{ border-color:rgb(253, 179, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 179, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 179, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 179, 105);  
box-shadow:4px 4px 4px 4px rgb(253, 179,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1428, 0.4416, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 179, 105) }
```

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

```
.background{ background-color: rgb(253,  
179, 105) }
```

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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