

# Converting Colors

Yxy(44.5835, 0.5326, 0.3928)

Have a look what the booklet for  
Yxy(44.5835, 0.5326, 0.3928)  
contains.

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# Color

**Yxy(39.6672, 0.5165, 0.4025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8A32
RGB	255, 138, 50
RGB Percent	100%, 54%, 20%
CMY	0.0000, 0.4588, 0.8042
CMYK	0.00, 0.46, 0.80, 0.00
HSL	26°, 100%, 60%
HSV	26°, 80%, 100%
XYZ	50.9021, 39.6672, 7.9827
YIQ	162.9510, 97.9800, -2.5640

# Conversions

## Conversions Part 2

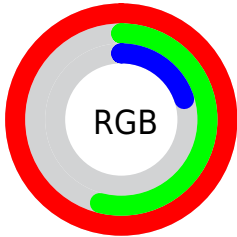
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 204, 50
Decimal	16747058
CIE <sub>Lab</sub>	69.23, 38.66, 63.24
CIE <sub>LCh</sub>	69, 74.126, 58.562
Yxy	39.6672, 0.5165, 0.4025
Android (android.graphics.Color)	4294937138 (0xFFFF8A32)
YUV	162.9510, -55.6848, 80.7270
Hunter-Lab	62.9819, 34.0458, 36.5726

# Details

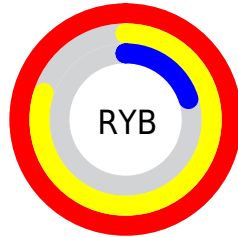
The Yxy color **39.6672, 0.5165, 0.4025** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.5011, 0.1970, 0.2108**, and the grayscale version is **36.8331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3792, 0.4349, 0.4184**, and **17.8620, 0.5563, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **35.6087, 0.5433, 0.3985**, and if you desaturate by 10%, it is **44.4114, 0.4863, 0.4011**.

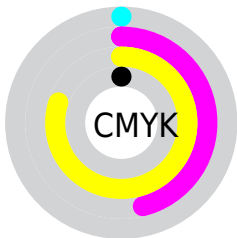
# Distribution



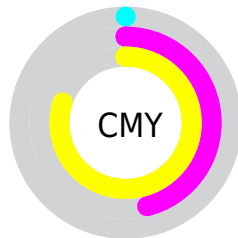
- Red (100%)
- Green (54%)
- Blue (20%)



- Red (100%)
- Yellow (80%)
- Blue (20%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (46%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6672, 0.5165, 0.4025 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 39.6672, 0.5165, 0.4025 by changing the saturation by 10% instead.





 39.6672, 0.5165,  
0.4025


 39.6672, 0.5165,  
0.4025

344.7189, 0.4178,  
0.3785


 27.2792, 0.5375,  
0.4034


 74.6565, 0.4829,  
0.3975

 17.7830, 0.5618,  
0.4016

 98.0265, 0.4695,  
0.3945

 10.7943, 0.5921,  
0.3966


 125.8260, 0.4579,  
0.3915

 5.9287, 0.6206,  
0.3794

 158.4393, 0.4477,  
0.3885

 2.8018, 0.6524,  
0.3476

 196.2508, 0.4389,  
0.3858

 1.0291, 0.7030,  
0.2970

 239.6450, 0.4310,

 0.0000, 1.0000,

0.3832

0.0000

289.0062, 0.4241,  
0.3807

■ 0.0000, 0.0000,  
0.0000

■ 39.6672, 0.5165,  
0.4025

■ 39.6672, 0.5165,  
0.4025

■ 35.6087, 0.5433,  
0.3985

■ 44.4114, 0.4863,  
0.4011

■ 32.3101, 0.5645,  
0.3900

■ 49.8734, 0.4550,  
0.3952

■ 56.0901, 0.4247,  
0.3862

■ 63.0932, 0.3967,  
0.3753

■ 70.9125, 0.3714,  
0.3636

79.5757, 0.3492,  
0.3517

89.1093, 0.3300,  
0.3403

99.5383, 0.3134,  
0.3294

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.6672, 0.5124, 0.3304



39.6672, 0.5165, 0.4025



39.6672, 0.4600, 0.4767

# Triad

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



39.6672, 0.5165, 0.4025



39.6672, 0.1910, 0.3950



39.6672, 0.2268, 0.1810

# Complementary

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



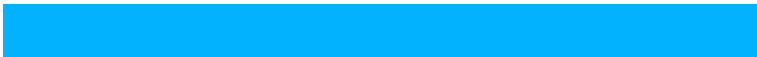
39.6672, 0.5165, 0.4025



35.5011, 0.1970, 0.2108

# 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.



39.6672, 0.1659, 0.1772



39.6672, 0.5165, 0.4025



39.6672, 0.1466, 0.2769

# Square

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



39.6672, 0.5165, 0.4025



39.6672, 0.2730, 0.5063



39.6672, 0.1399, 0.2055



39.6672, 0.3240, 0.2116



# Rectangle

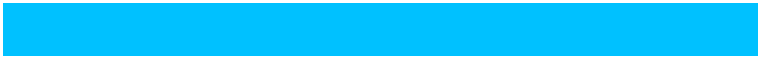
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.6672, 0.5165, 0.4025



39.6672, 0.4028, 0.5172



39.6672, 0.1399, 0.2055



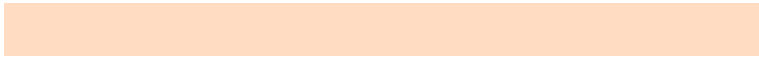
39.6672, 0.2023, 0.1766

# Sweetspot

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



39.6693, 0.5165, 0.4025



76.3785, 0.3568, 0.3559



26.4196, 0.4264, 0.2272



15.6899, 0.3648, 0.3602



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.



39.6693, 0.5165, 0.4025



33.2879, 0.5581, 0.3929



82.5841, 0.4254, 0.4856



19.2701, 0.3284, 0.3393



17.1659, 0.5616, 0.3923



1.8832, 0.5416, 0.4082

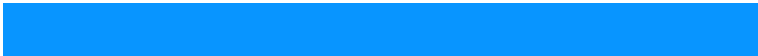


# Inverse Universe

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



35.5011, 0.1970, 0.2108



28.6865, 0.1848, 0.1837



11.9122, 0.1656, 0.0923



19.0981, 0.2979, 0.3185



14.7315, 0.1838, 0.1816



1.6514, 0.1889, 0.1999



# Previews

## White Background



This preview shows how the Yxy color 39.6672, 0.5165, 0.4025 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 39.6672, 0.5165, 0.4025 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 39.6672, 0.5165, 0.4025**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6672, 0.5165, 0.4025.



This preview shows how white text looks on a background with the Yxy color 39.6672, 0.5165, 0.4025.

# 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

39.6672, 0.5165, 0.4025

### Protanopia

39.8738, 0.4211, 0.4648

### Deuteranopia

39.7960, 0.4611, 0.4521



## Tritanopia

39.6560, 0.4391, 0.3211

# Trichromacy



**Original Color**

39.6672, 0.5165, 0.4025

**Protanomaly**

38.8757, 0.4574, 0.4406

**Deuteranomaly**

39.4583, 0.4818, 0.4337

**Tritanomaly**

39.3717, 0.4742, 0.3562

# Monochromacy



**Original Color**

39.6672, 0.5165, 0.4025

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

36.2521, 0.3880, 0.3718

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6672, 0.5165, 0.4025 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, 138, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 50)  
}
```

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, 138, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6672, 0.5165, 0.4025 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, 138, 50) }
```

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

```
.border{ border-color:rgb(255, 138, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6672, 0.5165, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 50) }
```

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

```
.background{ background-color: rgb(255,  
138, 50) }
```

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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