

Converting Colors

Yxy(44.8836, 0.4906, 0.4089)

Have a look what the booklet for
Yxy(44.8836, 0.4906, 0.4089)
contains.

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Color

Yxy(44.7645, 0.4911, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A42
RGB	255, 154, 66
RGB Percent	100%, 60%, 26%
CMY	0.0000, 0.3960, 0.7411
CMYK	0.00, 0.40, 0.74, 0.00
HSL	28°, 100%, 63%
HSV	28°, 74%, 100%
XYZ	53.7765, 44.7645, 10.9612
YIQ	174.1670, 88.4440, -5.9560

Conversions

Conversions Part 2

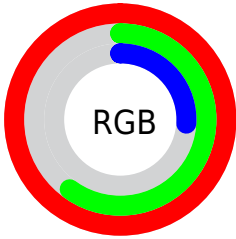
Format	Color
R_{YB}	255, 231, 66
Decimal	16751170
CIE _{Lab}	72.74, 31.06, 59.96
CIE _{LCh}	73, 67.523, 62.615
Yxy	44.7645, 0.4911, 0.4088
Android (android.graphics.Color)	4294941250 (0xFFFF9A42)
YUV	174.1670, -53.3263, 70.8905
Hunter-Lab	66.9063, 26.3850, 37.1210

Details

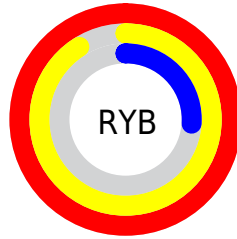
The Yxy color **44.7645, 0.4911, 0.4088** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.0100, 0.2008, 0.2120**, and the grayscale version is **42.6653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1928, 0.4143, 0.4193**, and **20.8490, 0.5317, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **40.2845, 0.5185, 0.4090**, and if you desaturate by 10%, it is **49.8937, 0.4618, 0.4036**.

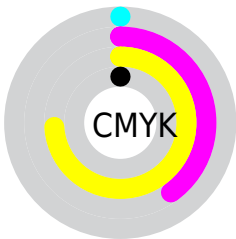
Distribution



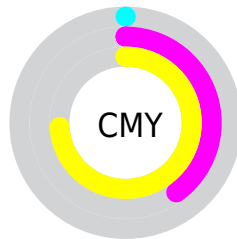
- Red (100%)
- Green (60%)
- Blue (26%)



- Red (100%)
- Yellow (91%)
- Blue (26%)



- Cyan (0%)
- Magenta (40%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7645, 0.4911, 0.4088 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 44.7645, 0.4911, 0.4088 by changing the saturation by 10% instead.

 44.7645, 0.4911,
0.4088


 44.7645, 0.4911,
0.4088


365.8189, 0.4055,
0.3789


 31.2720, 0.5096,
0.4123


 82.3669, 0.4618,
0.4008


 20.8060, 0.5312,
0.4144


 107.2456, 0.4502,
0.3969


 12.9823, 0.5560,
0.4134


 136.6884, 0.4402,
0.3933

 7.4164, 0.5897,
0.4103

 171.0798, 0.4314,
0.3899

 3.7238, 0.6133,
0.3867

 210.8042, 0.4237,
0.3868

 1.5203, 0.6503,
0.3497

256.2459, 0.4169,

 0.3030, 0.7782,

0.3840

0.2218

307.7893, 0.4109,
0.3813

■ 0.0000, 0.0000,
0.0000

■ 44.7645, 0.4911,
0.4088

■ 44.7645, 0.4911,
0.4088

■ 40.2845, 0.5185,
0.4090

■ 49.8937, 0.4618,
0.4036

■ 36.4102, 0.5419,
0.4037

■ 55.6969, 0.4325,
0.3948


■ 34.3906, 0.5538,
0.3984

■ 62.2057, 0.4048,
0.3835

■ 69.4469, 0.3793,
0.3711

■ 77.4457, 0.3566,
0.3583

 86.2259, 0.3366,
0.3457

 95.8101, 0.3192,
0.3337

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



44.7645, 0.4929, 0.3422



44.7645, 0.4911, 0.4088



44.7645, 0.4380, 0.4721

Triad

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



44.7645, 0.4911, 0.4088



44.7645, 0.1976, 0.3722



44.7645, 0.2468, 0.1977

Complementary

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



44.7645, 0.4911, 0.4088



36.0100, 0.2008, 0.2120

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.



44.7645, 0.1861, 0.1912



44.7645, 0.4911, 0.4088



44.7645, 0.1606, 0.2738

Square

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



44.7645, 0.4911, 0.4088



44.7645, 0.2687, 0.4714



44.7645, 0.1578, 0.2140



44.7645, 0.3369, 0.2290

Rectangle

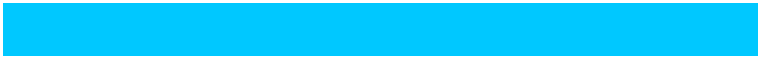
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.7645, 0.4911, 0.4088



44.7645, 0.3856, 0.5009



44.7645, 0.1578, 0.2140



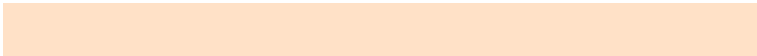
44.7645, 0.2229, 0.1926

Sweetspot

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



44.7668, 0.4911, 0.4088



79.2425, 0.3521, 0.3556



28.0558, 0.4229, 0.2353



16.4710, 0.3579, 0.3591



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.



44.7668, 0.4911, 0.4088



38.3212, 0.5306, 0.4071



87.2841, 0.4160, 0.4839



19.3815, 0.3283, 0.3401



18.2637, 0.5511, 0.4006



1.9944, 0.5323, 0.4156

Inverse Universe

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



36.0100, 0.2008, 0.2120



29.0622, 0.1867, 0.1850



13.4723, 0.1726, 0.1018



18.9852, 0.2979, 0.3176



13.3126, 0.1803, 0.1690



1.5150, 0.1857, 0.1886

Previews

White Background



This preview shows how the Yxy color 44.7645, 0.4911, 0.4088 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 44.7645, 0.4911, 0.4088 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 44.7645, 0.4911, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 44.7645, 0.4911, 0.4088.



This preview shows how white text looks on a background with the Yxy color 44.7645, 0.4911, 0.4088.

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

44.7645, 0.4911, 0.4088

Protanopia

44.8634, 0.4148, 0.4552

Deuteranopia

44.9337, 0.4525, 0.4424



Tritanopia

44.8741, 0.4128, 0.3199

Trichromacy



Original Color

44.7645, 0.4911, 0.4088

Protanomaly

44.2517, 0.4428, 0.4385

Deuteranomaly

44.5720, 0.4668, 0.4296

Tritanomaly

44.5279, 0.4461, 0.3561

Monochromacy



Original Color

44.7645, 0.4911, 0.4088

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.0832, 0.3766, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7645, 0.4911, 0.4088 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, 154, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 66)  
}
```

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, 154, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 66) }
```

Border

The CSS property to change the border of an element to Yxy 44.7645, 0.4911, 0.4088 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, 154, 66) }
```

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

```
.border{ border-color:rgb(255, 154, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 154, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7645, 0.4911, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 66) }
```

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

```
.background{ background-color: rgb(255,  
154, 66) }
```

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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