

Converting Colors

$Y_{xy}(45.1053, 0.4880, 0.4074)$

Have a look what the booklet for
Yxy(45.1053, 0.4880, 0.4074)
contains.

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Color

Yxy(45.1449, 0.4877, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B46
RGB	255, 155, 70
RGB Percent	100%, 61%, 27%
CMY	0.0000, 0.3922, 0.7256
CMYK	0.00, 0.39, 0.73, 0.00
HSL	28°, 100%, 64%
HSV	28°, 73%, 100%
XYZ	54.0697, 45.1449, 11.6521
YIQ	175.2100, 86.8850, -5.2350

Conversions

Conversions Part 2

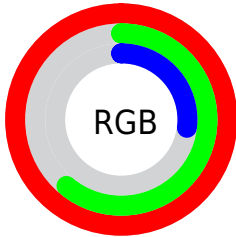
Format	Color
R _Y B	255, 227, 70
Decimal	16751430
CIE Lab	72.99, 30.73, 58.47
CIE LCh	73, 66.055, 62.277
Yxy	45.1449, 0.4877, 0.4072
Android (android.graphics.Color)	4294941510 (0xFFFF9B46)
YUV	175.2100, -51.8685, 69.9758
Hunter-Lab	67.1900, 26.0616, 36.7509

Details

The Yxy color **45.1449, 0.4877, 0.4072** 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 **37.2565, 0.2030, 0.2164**, and the grayscale version is **43.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7583, 0.4117, 0.4176**, and **21.0670, 0.5276, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **40.5601, 0.5158, 0.4081**, and if you desaturate by 10%, it is **50.3896, 0.4580, 0.4015**.

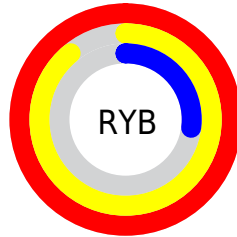
Distribution



Red (100%)

Green (61%)

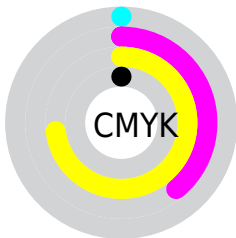
Blue (27%)



Red (100%)

Yellow (89%)

Blue (27%)

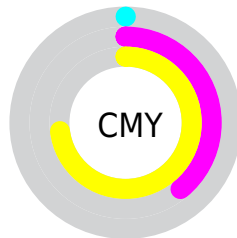


Cyan (0%)

Magenta (39%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1449, 0.4877, 0.4072 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 45.1449, 0.4877, 0.4072 by changing the saturation by 10% instead.


 45.1449, 0.4877,
0.4072


 45.1449, 0.4877,
0.4072


367.3601, 0.4035,
0.3776


 31.5716, 0.5060,
0.4108


 82.9378, 0.4588,
0.3992

 21.0345, 0.5276,
0.4133


 107.9262, 0.4474,
0.3953


 13.1492, 0.5526,
0.4129


 137.4884, 0.4375,
0.3917

 7.5314, 0.5883,
0.4117

 172.0087, 0.4289,
0.3884

 3.7966, 0.6114,
0.3886

 211.8717, 0.4214,
0.3853

 1.5604, 0.6477,
0.3523

257.4616, 0.4147,

 0.3307, 0.7663,

0.3825

0.2337

309.1630, 0.4088,
0.3799

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.1449, 0.4877,
0.4072

45.1449, 0.4877,
0.4072

40.5601, 0.5158,
0.4081

50.3896, 0.4580,
0.4015


36.5993, 0.5403,
0.4035


56.3266, 0.4286,
0.3923


34.0269, 0.5556,
0.3970

62.9850, 0.4009,
0.3810

70.3921, 0.3758,
0.3686

 78.5733, 0.3534,
0.3560

 87.5527, 0.3338,
0.3436

 97.3533, 0.3167,
0.3319

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



45.1449, 0.4883, 0.3417



45.1449, 0.4877, 0.4072



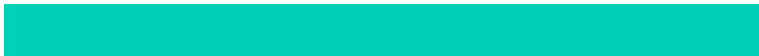
45.1449, 0.4366, 0.4689

Triad

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



45.1449, 0.4877, 0.4072



45.1449, 0.2009, 0.3724



45.1449, 0.2475, 0.2000

Complementary

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



45.1449, 0.4877, 0.4072



37.2565, 0.2030, 0.2164

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.



45.1449, 0.1882, 0.1940



45.1449, 0.4877, 0.4072



45.1449, 0.1638, 0.2764

Square

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



45.1449, 0.4877, 0.4072



45.1449, 0.2710, 0.4683



45.1449, 0.1605, 0.2170



45.1449, 0.3354, 0.2305

Rectangle

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



45.1449, 0.4877, 0.4072



45.1449, 0.3855, 0.4967



45.1449, 0.1605, 0.2170



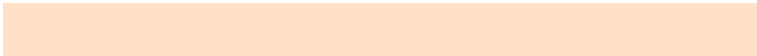
45.1449, 0.2241, 0.1951

Sweetspot

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



45.1448, 0.4877, 0.4072



79.0574, 0.3522, 0.3553



28.6042, 0.4196, 0.2360



16.4274, 0.3580, 0.3587



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.



45.1448, 0.4877, 0.4072



38.7280, 0.5272, 0.4068



87.4602, 0.4147, 0.4822



19.3626, 0.3283, 0.3400



18.0706, 0.5529, 0.3992



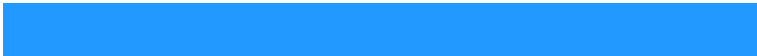
1.9750, 0.5339, 0.4143

Inverse Universe

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



37.2565, 0.2030, 0.2164



30.3429, 0.1888, 0.1905



14.1440, 0.1750, 0.1058



19.0042, 0.2979, 0.3178



13.5444, 0.1809, 0.1711



1.5374, 0.1863, 0.1905

Previews

White Background



This preview shows how the Yxy color 45.1449, 0.4877, 0.4072 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 45.1449, 0.4877, 0.4072 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 45.1449, 0.4877, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 45.1449, 0.4877, 0.4072.



This preview shows how white text looks on a background with the Yxy color 45.1449, 0.4877, 0.4072.

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

45.1449, 0.4877, 0.4072

Protanopia

45.4577, 0.4125, 0.4521

Deuteranopia

45.3548, 0.4494, 0.4406



Tritanopia

45.2235, 0.4113, 0.3198

Trichromacy



Original Color

45.1449, 0.4877, 0.4072

Protanomaly

44.8359, 0.4404, 0.4357

Deuteranomaly

44.9777, 0.4635, 0.4278

Tritanomaly

44.8996, 0.4435, 0.3552

Monochromacy



Original Color

45.1449, 0.4877, 0.4072

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.6488, 0.3753, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1449, 0.4877, 0.4072 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, 155, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 70)  
}
```

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, 155, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 70) }
```

Border

The CSS property to change the border of an element to Yxy 45.1449, 0.4877, 0.4072 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, 155, 70) }
```

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

```
.border{ border-color:rgb(255, 155, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1449, 0.4877, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 70) }
```

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

```
.background{ background-color: rgb(255,  
155, 70) }
```

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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