

Converting Colors

Yxy(45.4308, 0.4880, 0.4132)

Have a look what the booklet for
Yxy(45.4308, 0.4880, 0.4132)
contains.

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Color

Yxy(45.3668, 0.4879, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	FD9D40
RGB	253, 157, 64
RGB Percent	99%, 62%, 25%
CMY	0.0078, 0.3843, 0.7493
CMYK	0.00, 0.38, 0.75, 0.01
HSL	30°, 98%, 62%
HSV	30°, 75%, 99%
XYZ	53.4907, 45.3668, 10.7771
YIQ	175.1020, 87.0690, -8.5710

Conversions

Conversions Part 2

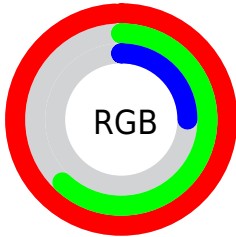
Format	Color
RYB	253, 247, 64
Decimal	16620864
CIELab	73.13, 28.62, 61.16
CIELCh	73, 67.526, 64.926
Yxy	45.3668, 0.4879, 0.4138
Android (android.graphics.Color)	4294810944 (0xFFFD9D40)
YUV	175.1020, -54.7733, 68.3165
Hunter-Lab	67.3549, 23.8870, 37.6618

Details

The Yxy color **45.3668, 0.4879, 0.4138** 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 **33.2976, 0.1983, 0.2038**, and the grayscale version is **43.1787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6313, 0.4138, 0.4238**, and **21.1795, 0.5265, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **41.0229, 0.5137, 0.4143**, and if you desaturate by 10%, it is **50.3030, 0.4600, 0.4083**.

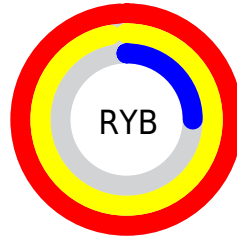
Distribution



Red (99%)

Green (62%)

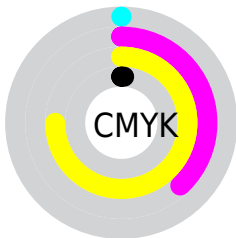
Blue (25%)



Red (99%)

Yellow (97%)

Blue (25%)

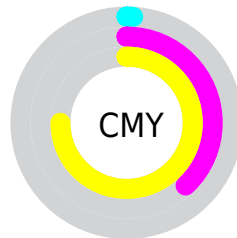


Cyan (0%)

Magenta (38%)

Yellow (75%)

Black (1%)



Cyan (1%)


Magenta (38%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3668, 0.4879, 0.4138 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 45.3668, 0.4879, 0.4138 by changing the saturation by 10% instead.


 45.3668, 0.4879,
0.4138

 45.3668, 0.4879,
0.4138


368.2571, 0.4044,
0.3814

 31.7464, 0.5057,
0.4179


 83.2706, 0.4595,
0.4049

 21.1679, 0.5265,
0.4207


 108.3228, 0.4482,
0.4007

 13.2468, 0.5501,
0.4206


 137.9543, 0.4384,
0.3968

 7.5987, 0.5816,
0.4184

 172.5497, 0.4298,
0.3932

 3.8393, 0.6033,
0.3967

 212.4933, 0.4223,
0.3898

 1.5841, 0.6376,
0.3624

258.1694, 0.4156,

 0.3468, 0.7503,

0.3868

0.2497

309.9626, 0.4097,
0.3840

0.0000, 0.0000,
0.0000

45.3668, 0.4879,
0.4138

45.3668, 0.4879,
0.4138

41.0229, 0.5137,
0.4143

50.3030, 0.4600,
0.4083

37.2308, 0.5357,
0.4092

55.8534, 0.4319,
0.3990

35.4364, 0.5459,
0.4048

62.0468, 0.4049,
0.3873

68.9075, 0.3799,
0.3742

76.4582, 0.3575,
0.3607

84.7204, 0.3376,
0.3474

93.7144, 0.3202,
0.3347

99.6239, 0.3115,
0.3290

Harmonies

Analogous

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



45.3668, 0.4943, 0.3472



45.3668, 0.4879, 0.4138



45.3668, 0.4321, 0.4758

Triad

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



45.3668, 0.4879, 0.4138



45.3668, 0.1940, 0.3636



45.3668, 0.2531, 0.1997

Complementary

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



45.3668, 0.4879, 0.4138



33.2976, 0.1983, 0.2038

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.



45.3668, 0.1901, 0.1912



45.3668, 0.4879, 0.4138



45.3668, 0.1597, 0.2681

Square

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



45.3668, 0.4879, 0.4138



45.3668, 0.2626, 0.4647



45.3668, 0.1594, 0.2115



45.3668, 0.3445, 0.2327

Rectangle

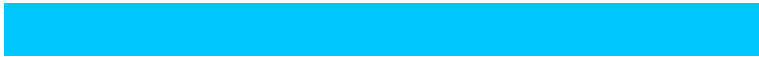
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3668, 0.4879, 0.4138



45.3668, 0.3789, 0.5021



45.3668, 0.1594, 0.2115



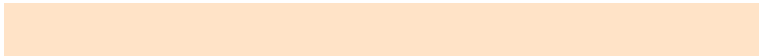
45.3668, 0.2284, 0.1940

Sweetspot

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



45.3692, 0.4879, 0.4138



80.0527, 0.3518, 0.3571



27.1379, 0.4335, 0.2409



16.6616, 0.3575, 0.3607



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.



45.3692, 0.4879, 0.4138



39.6458, 0.5260, 0.4123



89.5345, 0.4124, 0.4886



19.4637, 0.3282, 0.3407



19.1401, 0.5433, 0.4068



2.0817, 0.5254, 0.4210

Inverse Universe

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



33.2976, 0.1983, 0.2038



26.7866, 0.1837, 0.1748



12.2039, 0.1705, 0.0952



18.9025, 0.2979, 0.3170



12.3413, 0.1778, 0.1600



1.4203, 0.1834, 0.1803

Previews

White Background



This preview shows how the Yxy color 45.3668, 0.4879, 0.4138 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 45.3668, 0.4879, 0.4138 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 45.3668, 0.4879, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 45.3668, 0.4879, 0.4138.



This preview shows how white text looks on a background with the Yxy color 45.3668, 0.4879, 0.4138.

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

45.3668, 0.4879, 0.4138

Protanopia

45.5022, 0.4176, 0.4577

Deuteranopia

45.4596, 0.4530, 0.4435



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3668, 0.4879, 0.4138

Protanomaly

45.1380, 0.4432, 0.4415

Deuteranomaly

45.2715, 0.4660, 0.4328

Tritanomaly

44.9825, 0.4440, 0.3583

Monochromacy



Original Color

45.3668, 0.4879, 0.4138

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.4510, 0.3762, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3668, 0.4879, 0.4138 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, 157, 64)` looks like.

```
.text, #text, p{  
    color:rgb(253, 157, 64)  
}
```

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, 157, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 157, 64) }
```

Border

The CSS property to change the border of an element to Yxy 45.3668, 0.4879, 0.4138 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, 157, 64) }
```

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

```
.border{ border-color:rgb(253, 157, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 157, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 157, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 157, 64);  
box-shadow:4px 4px 4px 4px rgb(253, 157,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3668, 0.4879, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 157, 64) }
```

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

```
.background{ background-color: rgb(253,  
157, 64) }
```

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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