

Converting Colors

Yxy(69.6619, 0.5160, 0.3666)

Have a look what the booklet for
Yxy(69.6619, 0.5160, 0.3666)
contains.

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Color

Yxy(48.5159, 0.4531, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	FFA36B
RGB	255, 163, 107
RGB Percent	100%, 64%, 42%
CMY	0.0000, 0.3608, 0.5803
CMYK	0.00, 0.36, 0.58, 0.00
HSL	23°, 100%, 71%
HSV	23°, 58%, 100%
XYZ	56.9939, 48.5159, 20.2768
YIQ	184.1240, 72.8080, 2.0880

Conversions

Conversions Part 2

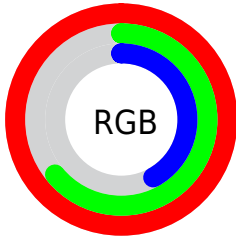
Format	Color
R _Y B	255, 197, 107
Decimal	16753515
CIE Lab	75.15, 28.75, 42.94
CIE LCh	75, 51.676, 56.200
Yxy	48.5159, 0.4531, 0.3857
Android (android.graphics.Color)	4294943595 (0xFFFFA36B)
YUV	184.1240, -38.0221, 62.1583
Hunter-Lab	69.6534, 24.1644, 31.4974

Details

The Yxy color **48.5159, 0.4531, 0.3857** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.2046, 0.2251, 0.2587**, and the grayscale version is **48.1903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9060, 0.3825, 0.3896**, and **23.1437, 0.4881, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **42.7756, 0.4867, 0.3913**, and if you desaturate by 10%, it is **55.1227, 0.4213, 0.3774**.

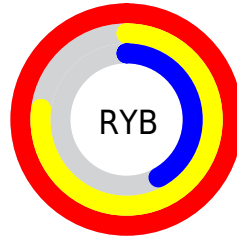
Distribution



Red (100%)

Green (64%)

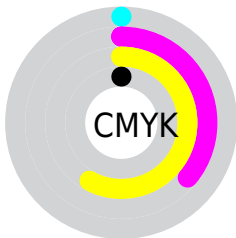
Blue (42%)



Red (100%)

Yellow (77%)

Blue (42%)

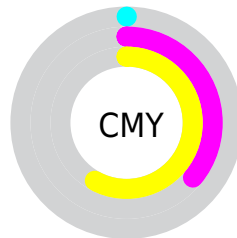


Cyan (0%)

Magenta (36%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5159, 0.4531, 0.3857 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 48.5159, 0.4531, 0.3857 by changing the saturation by 10% instead.

 48.5159, 0.4531,
0.3857


 48.5159, 0.4531,
0.3857


380.8334, 0.3841,
0.3626


 34.2356, 0.4692,
0.3895


 87.9720, 0.4287,
0.3787


 23.0747, 0.4891,
0.3933


 113.9167, 0.4193,
0.3756

 14.6486, 0.5139,
0.3963


 144.5182, 0.4113,
0.3729

 8.5732, 0.5448,
0.3968

 180.1611, 0.4043,
0.3704

 4.4638, 0.5971,
0.4003

221.2296, 0.3983,
0.3681

 1.9363, 0.6298,
0.3702

268.1083, 0.3930,

 0.5700, 0.6969,

0.3661

0.3031

321.1814, 0.3883,
0.3643

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.5159, 0.4531,
0.3857

48.5159, 0.4531,
0.3857

42.7756, 0.4867,
0.3913

55.1227, 0.4213,
0.3774

37.8576, 0.5199,
0.3928

62.6295, 0.3924,
0.3675

33.7187, 0.5501,
0.3892

71.0724, 0.3669,
0.3570

30.3064, 0.5747,
0.3804

80.4842, 0.3448,
0.3466

■ 29.7106, 0.5791,
0.3784

■ 90.8959, 0.3259,
0.3366

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.



48.5159, 0.4415, 0.3324



48.5159, 0.4531, 0.3857



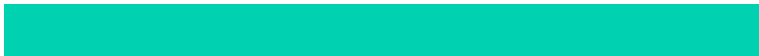
48.5159, 0.4231, 0.4337

Triad

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



48.5159, 0.4531, 0.3857



48.5159, 0.2359, 0.3784



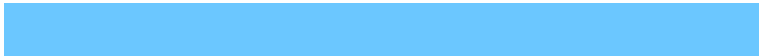
48.5159, 0.2507, 0.2227

Complementary

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



48.5159, 0.4531, 0.3857



51.2046, 0.2251, 0.2587

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.



48.5159, 0.2068, 0.2234



48.5159, 0.4531, 0.3857



48.5159, 0.1984, 0.3042

Square

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



48.5159, 0.4531, 0.3857



48.5159, 0.2965, 0.4414



48.5159, 0.1890, 0.2497



48.5159, 0.3165, 0.2439

Rectangle

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



48.5159, 0.4531, 0.3857



48.5159, 0.3865, 0.4549



48.5159, 0.1890, 0.2497



48.5159, 0.2333, 0.2203

Sweetspot

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



48.5171, 0.4531, 0.3857



81.5095, 0.3427, 0.3456



35.9854, 0.3750, 0.2367



17.0203, 0.3468, 0.3476



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.



48.5171, 0.4531, 0.3857



41.7427, 0.4933, 0.3920



81.8934, 0.4061, 0.4514



19.1131, 0.3285, 0.3380



15.7886, 0.5761, 0.3808



1.7397, 0.5548, 0.3977

Inverse Universe

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



51.2046, 0.2251, 0.2587



44.5198, 0.2109, 0.2412



25.4628, 0.2044, 0.1643



19.2592, 0.2979, 0.3198



16.9430, 0.1888, 0.1998



1.8604, 0.1934, 0.2161

Previews

White Background



This preview shows how the Yxy color 48.5159, 0.4531, 0.3857 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 48.5159, 0.4531, 0.3857 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 48.5159, 0.4531, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 48.5159, 0.4531, 0.3857.



This preview shows how white text looks on a background with the Yxy color 48.5159, 0.4531, 0.3857.

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

48.5159, 0.4531, 0.3857

Protanopia

48.4923, 0.3845, 0.4162

Deuteranopia

48.6125, 0.4200, 0.4117



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.5159, 0.4531, 0.3857

Protanomaly

47.9863, 0.4090, 0.4050

Deuteranomaly

48.5295, 0.4326, 0.4019

Tritanomaly

48.4769, 0.4187, 0.3440

Monochromacy



Original Color

48.5159, 0.4531, 0.3857

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.1526, 0.3609, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5159, 0.4531, 0.3857 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, 163, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 107)  
}
```

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, 163, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 107) }
```

Border

The CSS property to change the border of an element to Yxy 48.5159, 0.4531, 0.3857 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, 163, 107) }
```

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

```
.border{ border-color:rgb(255, 163, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5159, 0.4531, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 107) }
```

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

```
.background{ background-color: rgb(255,  
163, 107) }
```

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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