

Converting Colors

$Yxy(49.9451, 0.4461, 0.3846)$

Have a look what the booklet for
Yxy(49.9451, 0.4461, 0.3846)
contains.

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Color

Yxy(50.0673, 0.4461, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	FFA770
RGB	255, 167, 112
RGB Percent	100%, 65%, 44%
CMY	0.0000, 0.3451, 0.5609
CMYK	0.00, 0.35, 0.56, 0.00
HSL	23°, 100%, 72%
HSV	23°, 56%, 100%
XYZ	57.9829, 50.0673, 21.9272
YIQ	187.0420, 70.1030, 1.5510

Conversions

Conversions Part 2

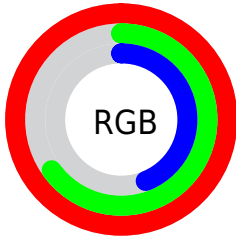
Format	Color
R _Y B	255, 201, 112
Decimal	16754544
CIE Lab	76.11, 27.03, 41.58
CIE LCh	76, 49.594, 56.976
Yxy	50.0673, 0.4461, 0.3852
Android (android.graphics.Color)	4294944624 (0xFFFFA770)
YUV	187.0420, -36.9957, 59.5992
Hunter-Lab	70.7583, 22.4451, 31.1575

Details

The Yxy color **50.0673, 0.4461, 0.3852** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.9529, 0.2274, 0.2603**, and the grayscale version is **49.9016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7520, 0.3765, 0.3883**, and **23.8518, 0.4807, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **44.1757, 0.4792, 0.3916**, and if you desaturate by 10%, it is **56.8207, 0.4150, 0.3763**.

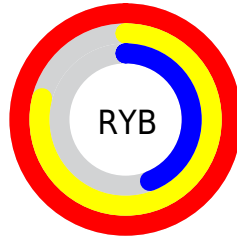
Distribution



Red (100%)

Green (65%)

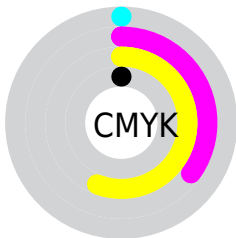
Blue (44%)



Red (100%)

Yellow (79%)

Blue (44%)

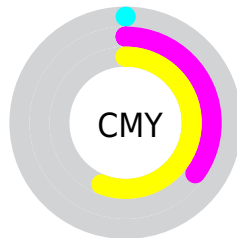


Cyan (0%)

Magenta (35%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0673, 0.4461, 0.3852 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 50.0673, 0.4461, 0.3852 by changing the saturation by 10% instead.


 50.0673, 0.4461,
0.3852

 50.0673, 0.4461,
0.3852


386.9291, 0.3808,
0.3619

 35.4669, 0.4614,
0.3893


 90.2746, 0.4230,
0.3780

 24.0227, 0.4803,
0.3935


 116.6502, 0.4141,
0.3749

 15.3505, 0.5038,
0.3972


 147.7197, 0.4065,
0.3721

 9.0657, 0.5335,
0.3992

 183.8675, 0.3999,
0.3697

 4.7841, 0.5785,
0.4013

225.4779, 0.3942,
0.3674

 2.1211, 0.6188,
0.3812

272.9354, 0.3892,

 0.6765, 0.6730,

0.3654

326.6243, 0.3847,
0.3636

0.3270

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.0673, 0.4461,
0.3852

50.0673, 0.4461,
0.3852

44.1757, 0.4792,
0.3916

56.8207, 0.4150,
0.3763

39.1014, 0.5124,
0.3941

64.4662, 0.3869,
0.3661

34.8038, 0.5431,
0.3916

73.0394, 0.3622,
0.3554

31.2343, 0.5686,
0.3838

82.5719, 0.3409,
0.3449

■ 30.0188, 0.5773,
0.3799

■ 93.0938, 0.3225,
0.3348

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.



50.0673, 0.4358, 0.3341



50.0673, 0.4461, 0.3852



50.0673, 0.4171, 0.4303

Triad

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



50.0673, 0.4461, 0.3852



50.0673, 0.2384, 0.3741



50.0673, 0.2551, 0.2275

Complementary

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



50.0673, 0.4461, 0.3852



51.9529, 0.2274, 0.2603

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.



50.0673, 0.2123, 0.2278



50.0673, 0.4461, 0.3852



50.0673, 0.2029, 0.3042

Square

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



50.0673, 0.4461, 0.3852



50.0673, 0.2960, 0.4340



50.0673, 0.1944, 0.2527



50.0673, 0.3183, 0.2484

Rectangle

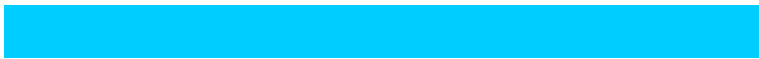
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0673, 0.4461, 0.3852



50.0673, 0.3820, 0.4493



50.0673, 0.1944, 0.2527



50.0673, 0.2382, 0.2251

Sweetspot

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



50.0692, 0.4461, 0.3852



81.6651, 0.3427, 0.3458



37.0193, 0.3748, 0.2414



17.0568, 0.3468, 0.3479



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.



50.0692, 0.4461, 0.3852



43.6812, 0.4822, 0.3920



83.7606, 0.4020, 0.4500



19.1330, 0.3285, 0.3382



15.9523, 0.5743, 0.3822



1.7570, 0.5531, 0.3990

Inverse Universe

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



51.9529, 0.2274, 0.2603



45.6173, 0.2139, 0.2441



26.2723, 0.2075, 0.1676



19.2386, 0.2979, 0.3196



16.6487, 0.1882, 0.1974



1.8328, 0.1928, 0.2140

Previews

White Background



This preview shows how the Yxy color 50.0673, 0.4461, 0.3852 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 50.0673, 0.4461, 0.3852 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 50.0673, 0.4461, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 50.0673, 0.4461, 0.3852.



This preview shows how white text looks on a background with the Yxy color 50.0673, 0.4461, 0.3852.

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

50.0673, 0.4461, 0.3852

Protanopia

50.3016, 0.3819, 0.4127

Deuteranopia

50.0023, 0.4175, 0.4078



Tritanopia

50.1178, 0.3911, 0.3176

Trichromacy



Original Color

50.0673, 0.4461, 0.3852

Protanomaly

49.6148, 0.4051, 0.4022

Deuteranomaly

49.9629, 0.4274, 0.3999

Tritanomaly

50.0453, 0.4119, 0.3430

Monochromacy



Original Color

50.0673, 0.4461, 0.3852

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.1776, 0.3581, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0673, 0.4461, 0.3852 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, 167, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 112)  
}
```

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, 167, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 112) }
```

Border

The CSS property to change the border of an element to Yxy 50.0673, 0.4461, 0.3852 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, 167, 112) }
```

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

```
.border{ border-color:rgb(255, 167, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0673, 0.4461, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 112) }
```

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

```
.background{ background-color: rgb(255,  
167, 112) }
```

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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