

Converting Colors

$Y_{xy}(50.5074, 0.4530, 0.3959)$

Have a look what the booklet for
Yxy(50.5074, 0.4530, 0.3959)
contains.

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Color

Yxy(50.5952, 0.4528, 0.3962)

Conversions

Conversions Part 1

Format	Color
Hex	FFA966
RGB	255, 169, 102
RGB Percent	100%, 66%, 40%
CMY	0.0000, 0.3372, 0.6001
CMYK	0.00, 0.34, 0.60, 0.00
HSL	26°, 100%, 70%
HSV	26°, 60%, 100%
XYZ	57.8231, 50.5952, 19.2829
YIQ	187.0760, 72.7630, -2.6050

Conversions

Conversions Part 2

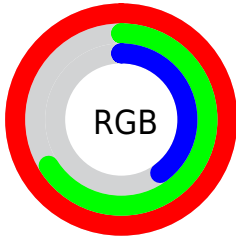
Format	Color
R _Y B	255, 221, 102
Decimal	16755046
CIE Lab	76.43, 25.25, 47.05
CIE LCh	76, 53.399, 61.783
Yxy	50.5952, 0.4528, 0.3962
Android (android.graphics.Color)	4294945126 (0xFFFFA966)
YUV	187.0760, -41.9425, 59.5693
Hunter-Lab	71.1303, 20.6278, 33.7182

Details

The Yxy color **50.5952, 0.4528, 0.3962** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.9919, 0.2198, 0.2436**, and the grayscale version is **49.9502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4770, 0.3826, 0.4002**, and **24.2080, 0.4876, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **45.1245, 0.4836, 0.4024**, and if you desaturate by 10%, it is **56.8108, 0.4229, 0.3869**.

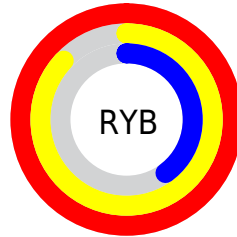
Distribution



Red (100%)

Green (66%)

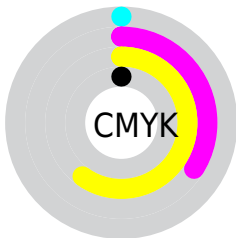
Blue (40%)



Red (100%)

Yellow (87%)

Blue (40%)

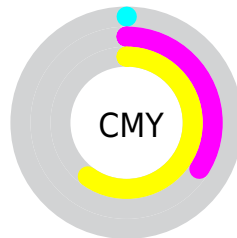


Cyan (0%)

Magenta (34%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (34%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5952, 0.4528, 0.3962 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 50.5952, 0.4528, 0.3962 by changing the saturation by 10% instead.


 50.5952, 0.4528,
0.3962

 50.5952, 0.4528,
0.3962


388.9890, 0.3849,
0.3684


 35.8866, 0.4683,
0.4010


 91.0561, 0.4291,
0.3876


 24.3466, 0.4871,
0.4059


 117.5772, 0.4199,
0.3840

 15.5909, 0.5102,
0.4102


 148.8045, 0.4120,
0.3806

 9.2351, 0.5383,
0.4122

 185.1225, 0.4051,
0.3777

 4.8949, 0.5835,
0.4165

226.9156, 0.3991,
0.3750

 2.1857, 0.6100,
0.3900

274.5681, 0.3938,

 0.7122, 0.6594,

0.3726

0.3406

328.4644, 0.3891,
0.3704

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.5952, 0.4528,
0.3962

50.5952, 0.4528,
0.3962

45.1245, 0.4836,
0.4024

56.8108, 0.4229,
0.3869

40.3575, 0.5135,
0.4042

63.7944, 0.3952,
0.3757

36.2594, 0.5401,
0.4006

71.5774, 0.3703,
0.3637

32.7824, 0.5620,
0.3920

80.1867, 0.3483,
0.3517

 89.6478, 0.3292,
0.3400

99.9851, 0.3127,
0.3290

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



50.5952, 0.4496, 0.3422



50.5952, 0.4528, 0.3962



50.5952, 0.4155, 0.4427

Triad

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



50.5952, 0.4528, 0.3962



50.5952, 0.2253, 0.3649



50.5952, 0.2606, 0.2234

Complementary

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



50.5952, 0.4528, 0.3962



45.9919, 0.2198, 0.2436

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.



50.5952, 0.2114, 0.2197



50.5952, 0.4528, 0.3962



50.5952, 0.1925, 0.2912

Square

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



50.5952, 0.4528, 0.3962



50.5952, 0.2833, 0.4346



50.5952, 0.1883, 0.2411



50.5952, 0.3304, 0.2487

Rectangle

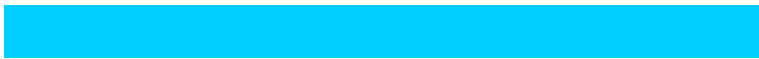
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.5952, 0.4528, 0.3962



50.5952, 0.3756, 0.4605



50.5952, 0.1883, 0.2411



50.5952, 0.2414, 0.2196

Sweetspot

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



50.5977, 0.4528, 0.3962



82.0223, 0.3443, 0.3493



34.4176, 0.3903, 0.2437



16.9907, 0.3502, 0.3528



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.



50.5977, 0.4528, 0.3962



44.1224, 0.4897, 0.4032



87.3953, 0.4032, 0.4623



19.2964, 0.3283, 0.3395



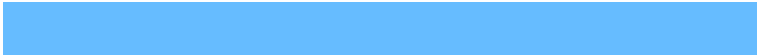
17.4160, 0.5592, 0.3942



1.9087, 0.5394, 0.4099

Inverse Universe

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



45.9919, 0.2198, 0.2436



39.0664, 0.2050, 0.2229



21.6713, 0.1979, 0.1462



19.0713, 0.2979, 0.3183



14.3854, 0.1829, 0.1786



1.6183, 0.1881, 0.1972

Previews

White Background



This preview shows how the Yxy color 50.5952, 0.4528, 0.3962 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 50.5952, 0.4528, 0.3962 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 50.5952, 0.4528, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 50.5952, 0.4528, 0.3962.



This preview shows how white text looks on a background with the Yxy color 50.5952, 0.4528, 0.3962.

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

50.5952, 0.4528, 0.3962

Protanopia

50.7647, 0.3915, 0.4257

Deuteranopia

50.7184, 0.4264, 0.4166



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.5952, 0.4528, 0.3962

Protanomaly

50.3438, 0.4134, 0.4156

Deuteranomaly

50.5155, 0.4355, 0.4089

Tritanomaly

50.3084, 0.4143, 0.3472

Monochromacy



Original Color

50.5952, 0.4528, 0.3962

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0399, 0.3616, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5952, 0.4528, 0.3962 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, 169, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 102)  
}
```

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, 169, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 102) }
```

Border

The CSS property to change the border of an element to Yxy 50.5952, 0.4528, 0.3962 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, 169, 102) }
```

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

```
.border{ border-color:rgb(255, 169, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5952, 0.4528, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 102) }
```

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

```
.background{ background-color: rgb(255,  
169, 102) }
```

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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