

Converting Colors

$Y_{xy}(52.5126, 0.4514, 0.4041)$

Have a look what the booklet for
Yxy(52.5126, 0.4514, 0.4041)
contains.

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Color

Yxy(52.4330, 0.4513, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE63
RGB	255, 174, 99
RGB Percent	100%, 68%, 39%
CMY	0.0002, 0.3175, 0.6118
CMYK	0.00, 0.32, 0.61, 0.00
HSL	29°, 100%, 69%
HSV	29°, 61%, 100%
XYZ	58.6153, 52.4330, 18.8328
YIQ	189.6690, 72.3510, -6.1530

Conversions

Conversions Part 2

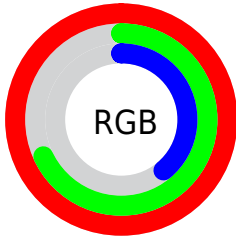
Format	Color
R_{YB}	255, 243, 99
Decimal	16756323
CIE Lab	77.54, 22.41, 49.84
CIE LCh	78, 54.646, 65.792
Yxy	52.4330, 0.4513, 0.4037
Android (android.graphics.Color)	4294946403 (0xFFFFAE63)
YUV	189.6690, -44.6998, 57.2953
Hunter-Lab	72.4106, 17.7745, 35.2671

Details

The Yxy color **52.4330, 0.4513, 0.4037** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.4773, 0.2162, 0.2326**, and the grayscale version is **51.5238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1206, 0.3827, 0.4077**, and **25.3658, 0.4840, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **47.1592, 0.4800, 0.4104**, and if you desaturate by 10%, it is **58.3693, 0.4230, 0.3936**.

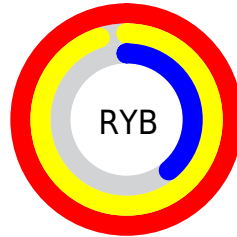
Distribution



Red (100%)

Green (68%)

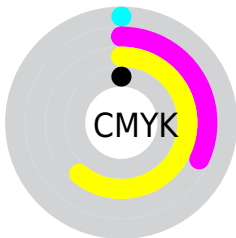
Blue (39%)



Red (100%)

Yellow (95%)

Blue (39%)

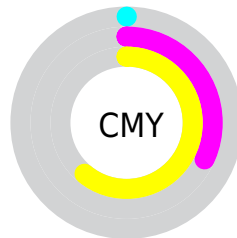


Cyan (0%)

Magenta (32%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4330, 0.4513, 0.4037 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 52.4330, 0.4513, 0.4037 by changing the saturation by 10% instead.


 52.4330, 0.4513,
0.4037


 52.4330, 0.4513,
0.4037


396.1060, 0.3850,
0.3725

 37.3503, 0.4662,
0.4092


 93.7695, 0.4283,
0.3940

 25.4789, 0.4841,
0.4149


 120.7921, 0.4193,
0.3899

 16.4342, 0.5057,
0.4202


 152.5635, 0.4116,
0.3862

 9.8319, 0.5316,
0.4235

 189.4681, 0.4049,
0.3828

 5.2876, 0.5714,
0.4286

231.8902, 0.3990,
0.3798

 2.4170, 0.5942,
0.4058

280.2143, 0.3937,

 0.8346, 0.6339,

0.3771

0.3661

334.8248, 0.3891,
0.3747

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.4330, 0.4513,
0.4037

52.4330, 0.4513,
0.4037

47.1592, 0.4800,
0.4104

58.3693, 0.4230,
0.3936

42.5106, 0.5074,
0.4126


64.9873, 0.3963,
0.3816


38.4566, 0.5315,
0.4092

72.3147, 0.3720,
0.3686

35.3347, 0.5492,
0.4021

80.3749, 0.3502,
0.3554

 89.1903, 0.3312,
0.3425

 98.7819, 0.3145,
0.3304

99.9913, 0.3127,
0.3290

Harmonies

Analogous

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



52.4330, 0.4543, 0.3495



52.4330, 0.4513, 0.4037



52.4330, 0.4091, 0.4486

Triad

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



52.4330, 0.4513, 0.4037



52.4330, 0.2183, 0.3546



52.4330, 0.2685, 0.2247

Complementary

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



52.4330, 0.4513, 0.4037



42.4773, 0.2162, 0.2326

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.



52.4330, 0.2156, 0.2177



52.4330, 0.4513, 0.4037



52.4330, 0.1892, 0.2822

Square

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



52.4330, 0.4513, 0.4037



52.4330, 0.2740, 0.4283



52.4330, 0.1887, 0.2357



52.4330, 0.3407, 0.2527

Rectangle

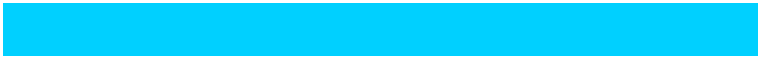
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.4330, 0.4513, 0.4037



52.4330, 0.3671, 0.4635



52.4330, 0.1887, 0.2357



52.4330, 0.2481, 0.2198

Sweetspot

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



52.4356, 0.4513, 0.4037



83.1233, 0.3439, 0.3512



33.5577, 0.3991, 0.2473



17.2582, 0.3497, 0.3550



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.



52.4356, 0.4513, 0.4037



46.2827, 0.4852, 0.4112



90.3710, 0.4018, 0.4680



19.4292, 0.3282, 0.3405



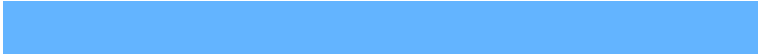
18.7660, 0.5466, 0.4042



2.0446, 0.5283, 0.4187

Inverse Universe

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



42.4773, 0.2162, 0.2326



35.5479, 0.2010, 0.2100



19.8080, 0.1944, 0.1367



18.9370, 0.2979, 0.3173



12.7405, 0.1788, 0.1637



1.4594, 0.1844, 0.1838

Previews

White Background



This preview shows how the Yxy color 52.4330, 0.4513, 0.4037 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 52.4330, 0.4513, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

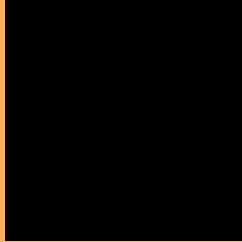
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4330, 0.4513, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 52.4330, 0.4513, 0.4037.



This preview shows how white text looks on a background with the Yxy color 52.4330, 0.4513, 0.4037.

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

52.4330, 0.4513, 0.4037

Protanopia

52.5681, 0.3963, 0.4316

Deuteranopia

52.5629, 0.4299, 0.4209



Tritanopia

52.5199, 0.3833, 0.3176

Trichromacy



Original Color

52.4330, 0.4513, 0.4037

Protanomaly

52.0081, 0.4163, 0.4206

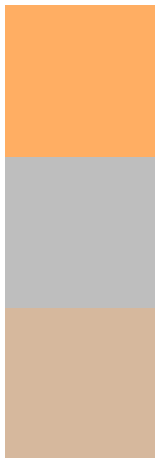
Deuteranomaly

52.5790, 0.4374, 0.4145

Tritanomaly

52.2115, 0.4101, 0.3503

Monochromacy



Original Color

52.4330, 0.4513, 0.4037

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.0114, 0.3613, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4330, 0.4513, 0.4037 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, 174, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 99)  
}
```

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, 174, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 99) }
```

Border

The CSS property to change the border of an element to Yxy 52.4330, 0.4513, 0.4037 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, 174, 99) }
```

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

```
.border{ border-color:rgb(255, 174, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4330, 0.4513, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 99) }
```

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

```
.background{ background-color: rgb(255,  
174, 99) }
```

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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