

Converting Colors

$Yxy(52.0401, 0.4673, 0.4219)$

Have a look what the booklet for
Yxy(52.0401, 0.4673, 0.4219)
contains.

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Color

Yxy(52.0401, 0.4673, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE4B
RGB	255, 174, 75
RGB Percent	100%, 68%, 29%
CMY	0.0001, 0.3176, 0.7058
CMYK	0.00, 0.32, 0.71, 0.00
HSL	33°, 100%, 65%
HSV	33°, 71%, 100%
XYZ	57.6401, 52.0401, 13.6668
YIQ	186.9330, 80.0550, -13.6170

Conversions

Conversions Part 2

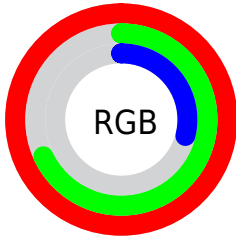
Format	Color
R _Y B	222, 255, 75
Decimal	16756299
CIE Lab	77.30, 21.04, 60.73
CIE LCh	77, 64.275, 70.889
Yxy	52.0401, 0.4673, 0.4219
Android (android.graphics.Color)	4294946379 (0xFFFFAE4B)
YUV	186.9330, -55.1830, 59.6948
Hunter-Lab	72.1388, 16.3814, 39.2646

Details

The Yxy color **52.0401, 0.4673, 0.4219** 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 **32.4852, 0.1997, 0.1975**, and the grayscale version is **49.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4121, 0.3975, 0.4299**, and **25.2970, 0.4989, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **47.5154, 0.4913, 0.4259**, and if you desaturate by 10%, it is **57.0884, 0.4418, 0.4134**.

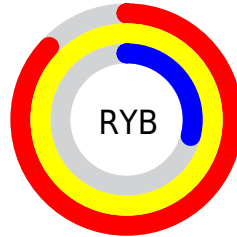
Distribution



Red (100%)

Green (68%)

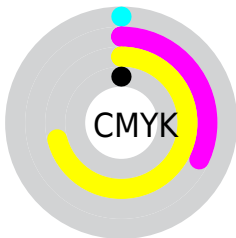
Blue (29%)



Red (87%)

Yellow (100%)

Blue (29%)

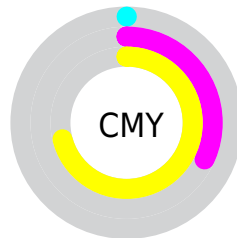


Cyan (0%)

Magenta (32%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (32%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0401, 0.4673, 0.4219 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 52.0401, 0.4673, 0.4219 by changing the saturation by 10% instead.

 52.0401, 0.4673,
0.4219


 52.0401, 0.4673,
0.4219


394.5914, 0.3952,
0.3842

 37.0370, 0.4825,
0.4279


 93.1904, 0.4430,
0.4107

 25.2362, 0.5001,
0.4337


 120.1064, 0.4333,
0.4057


 16.2531, 0.5203,
0.4381


 151.7622, 0.4248,
0.4012

 9.7034, 0.5465,
0.4421

 188.5421, 0.4174,
0.3971

 5.2028, 0.5670,
0.4330

 230.8306, 0.4108,
0.3934

 2.3667, 0.5889,
0.4111

279.0120, 0.4050,

 0.8087, 0.6277,

0.3901

0.3723

333.4709, 0.3998,
0.3870

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.0401, 0.4673,
0.4219

52.0401, 0.4673,
0.4219

47.5154, 0.4913,
0.4259

57.0884, 0.4418,
0.4134

43.4792, 0.5122,
0.4244

62.6764, 0.4162,
0.4016

40.0897, 0.5287,
0.4184

68.8285, 0.3917,
0.3878

75.5648, 0.3690,
0.3731

82.9042, 0.3483,
0.3581

90.8645, 0.3299,
0.3436

99.4624, 0.3136,
0.3298

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



52.0401, 0.4820, 0.3601



52.0401, 0.4673, 0.4219



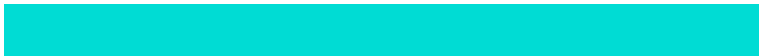
52.0401, 0.4106, 0.4737

Triad

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



52.0401, 0.4673, 0.4219



52.0401, 0.1948, 0.3420



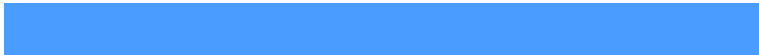
52.0401, 0.2735, 0.2135

Complementary

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



52.0401, 0.4673, 0.4219



32.4852, 0.1997, 0.1975

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.



52.0401, 0.2087, 0.2009



52.0401, 0.4673, 0.4219



52.0401, 0.1686, 0.2610

Square

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



52.0401, 0.4673, 0.4219



52.0401, 0.2533, 0.4354



52.0401, 0.1738, 0.2148



52.0401, 0.3602, 0.2485

Rectangle

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



52.0401, 0.4673, 0.4219



52.0401, 0.3597, 0.4892



52.0401, 0.1738, 0.2148



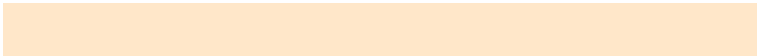
52.0401, 0.2487, 0.2066

Sweetspot

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



52.0427, 0.4673, 0.4219



82.5991, 0.3492, 0.3588



28.6908, 0.4410, 0.2543



17.2342, 0.3547, 0.3629



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.



52.0427, 0.4673, 0.4219



45.6812, 0.5010, 0.4259



91.6014, 0.4012, 0.4898



19.6438, 0.3280, 0.3421



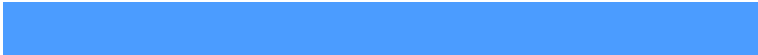
21.2549, 0.5264, 0.4203



2.2878, 0.5108, 0.4326

Inverse Universe

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



32.4852, 0.1997, 0.1975



25.1780, 0.1832, 0.1669



14.1393, 0.1802, 0.1052



18.7234, 0.2979, 0.3156



10.4345, 0.1725, 0.1411



1.2304, 0.1786, 0.1628

Previews

White Background



This preview shows how the Yxy color 52.0401, 0.4673, 0.4219 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 52.0401, 0.4673, 0.4219 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 52.0401, 0.4673, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 52.0401, 0.4673, 0.4219.



This preview shows how white text looks on a background with the Yxy color 52.0401, 0.4673, 0.4219.

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

52.0401, 0.4673, 0.4219

Protanopia

52.4246, 0.4138, 0.4545

Deuteranopia

52.1141, 0.4475, 0.4384



Tritanopia

52.0718, 0.3855, 0.3187

Trichromacy



Original Color

52.0401, 0.4673, 0.4219

Protanomaly

51.7420, 0.4336, 0.4423

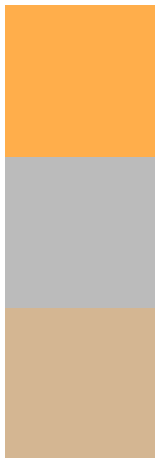
Deuteranomaly

51.9677, 0.4546, 0.4321

Tritanomaly

51.9029, 0.4194, 0.3607

Monochromacy



Original Color

52.0401, 0.4673, 0.4219

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.5283, 0.3696, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0401, 0.4673, 0.4219 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, 75)` looks like.

```
.text, #text, p{  
  color:rgb(255, 174, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 75) }
```

Border

The CSS property to change the border of an element to Yxy 52.0401, 0.4673, 0.4219 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, 75) }
```

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

```
.border{ border-color:rgb(255, 174, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0401, 0.4673, 0.4219 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, 75) }
```

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

```
.background{ background-color: rgb(255,  
174, 75) }
```

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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