

Converting Colors

Yxy(52.9199, 0.4614, 0.4189)

Have a look what the booklet for
Yxy(52.9199, 0.4614, 0.4189)
contains.

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Color

Yxy(52.9199, 0.4614, 0.4189)

Conversions

Conversions Part 1

Format	Color
Hex	FFB052
RGB	255, 176, 82
RGB Percent	100%, 69%, 32%
CMY	0.0000, 0.3098, 0.6785
CMYK	0.00, 0.31, 0.68, 0.00
HSL	33°, 100%, 66%
HSV	33°, 68%, 100%
XYZ	58.2890, 52.9199, 15.1218
YIQ	188.9050, 77.2580, -12.4860

Conversions

Conversions Part 2

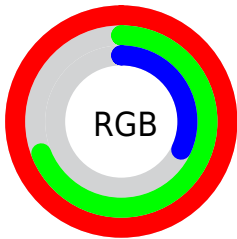
Format	Color
R_YB	227, 255, 82
Decimal	16756818
CIE Lab	77.83, 20.37, 58.20
CIE LCh	78, 61.662, 70.708
Yxy	52.9199, 0.4614, 0.4189
Android (android.graphics.Color)	4294946898 (0xFFFFB052)
YUV	188.9050, -52.7042, 57.9653
Hunter-Lab	72.7461, 15.7204, 38.5976

Details

The Yxy color **52.9199, 0.4614, 0.4189** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **34.4962, 0.2037, 0.2051**, and the grayscale version is **51.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7225, 0.3924, 0.4254**, and **25.7191, 0.4943, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **48.2314, 0.4863, 0.4241**, and if you desaturate by 10%, it is **58.1483, 0.4355, 0.4095**.

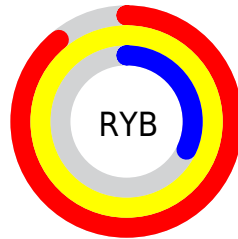
Distribution



Red (100%)

Green (69%)

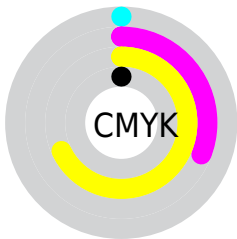
Blue (32%)



Red (89%)

Yellow (100%)

Blue (32%)

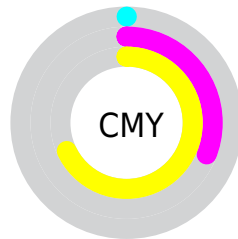


Cyan (0%)

Magenta (31%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9199, 0.4614, 0.4189 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 52.9199, 0.4614, 0.4189 by changing the saturation by 10% instead.


 52.9199, 0.4614,
0.4189

 52.9199, 0.4614,
0.4189


397.9777, 0.3918,
0.3820


 37.7388, 0.4763,
0.4251


 94.4865, 0.4378,
0.4077


 25.7801, 0.4937,
0.4312


 121.6408, 0.4284,
0.4028


 16.6592, 0.5139,
0.4364


 153.5550, 0.4202,
0.3984

 9.9918, 0.5384,
0.4400

 190.6134, 0.4131,
0.3944

 5.3935, 0.5638,
0.4362

 233.2005, 0.4068,
0.3908

 2.4799, 0.5846,
0.4154

281.7007, 0.4012,

 0.8666, 0.6206,

0.3876

0.3794

336.4983, 0.3962,
0.3846

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.9199, 0.4614,
0.4189

52.9199, 0.4614,
0.4189

48.2314, 0.4863,
0.4241

58.1483, 0.4355,
0.4095

44.0499, 0.5085,
0.4240

63.9341, 0.4098,
0.3972

40.3447, 0.5269,
0.4184

70.3012, 0.3856,
0.3832

39.6017, 0.5306,
0.4169

77.2696, 0.3633,
0.3685

■ 84.8583, 0.3431,
0.3538

■ 93.0851, 0.3253,
0.3396

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.



52.9199, 0.4744, 0.3595



52.9199, 0.4614, 0.4189



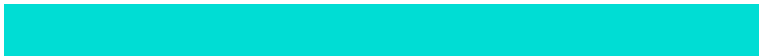
52.9199, 0.4078, 0.4676

Triad

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



52.9199, 0.4614, 0.4189



52.9199, 0.2000, 0.3423



52.9199, 0.2749, 0.2176

Complementary

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



52.9199, 0.4614, 0.4189



34.4962, 0.2037, 0.2051

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.



52.9199, 0.2126, 0.2057



52.9199, 0.4614, 0.4189



52.9199, 0.1741, 0.2648

Square

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



52.9199, 0.4614, 0.4189



52.9199, 0.2567, 0.4304



52.9199, 0.1788, 0.2197



52.9199, 0.3577, 0.2515

Rectangle

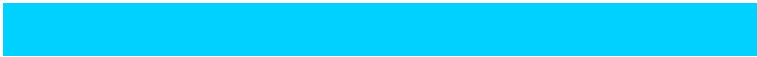
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.9199, 0.4614, 0.4189



52.9199, 0.3590, 0.4817



52.9199, 0.1788, 0.2197



52.9199, 0.2512, 0.2110

Sweetspot

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



52.9219, 0.4614, 0.4189



83.1723, 0.3473, 0.3570



29.9271, 0.4295, 0.2528



17.3403, 0.3528, 0.3611



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.



52.9219, 0.4614, 0.4189



46.8600, 0.4936, 0.4246



92.3115, 0.4012, 0.4845



19.6228, 0.3281, 0.3419



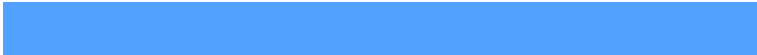
20.9952, 0.5283, 0.4187



2.2628, 0.5125, 0.4313

Inverse Universe

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



34.4962, 0.2037, 0.2051



27.4312, 0.1877, 0.1771



15.3152, 0.1835, 0.1121



18.7441, 0.2979, 0.3157



10.6410, 0.1731, 0.1432



1.2513, 0.1791, 0.1648

Previews

White Background



This preview shows how the Yxy color 52.9199, 0.4614, 0.4189 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 52.9199, 0.4614, 0.4189 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 52.9199, 0.4614, 0.4189

Background



This preview shows how black text looks on a background with the Yxy color 52.9199, 0.4614, 0.4189.



This preview shows how white text looks on a background with the Yxy color 52.9199, 0.4614, 0.4189.

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

52.9199, 0.4614, 0.4189

Protanopia

53.1242, 0.4100, 0.4488

Deuteranopia

52.7969, 0.4435, 0.4338



Tritanopia

52.9312, 0.3821, 0.3176

Trichromacy



Original Color

52.9199, 0.4614, 0.4189

Protanomaly

52.8545, 0.4287, 0.4381

Deuteranomaly

52.6491, 0.4504, 0.4276

Tritanomaly

52.7787, 0.4147, 0.3586

Monochromacy



Original Color

52.9199, 0.4614, 0.4189

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.6291, 0.3664, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9199, 0.4614, 0.4189 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, 176, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 82)  
}
```

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, 176, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 82) }
```

Border

The CSS property to change the border of an element to Yxy 52.9199, 0.4614, 0.4189 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, 176, 82) }
```

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

```
.border{ border-color:rgb(255, 176, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9199, 0.4614, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 82) }
```

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

```
.background{ background-color: rgb(255,  
176, 82) }
```

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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