

Converting Colors

Yxy(67.1248, 0.5031, 0.3906)

Have a look what the booklet for
Yxy(67.1248, 0.5031, 0.3906)
contains.

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Color

Yxy(52.6753, 0.4563, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	FFAF5B
RGB	255, 175, 91
RGB Percent	100%, 69%, 36%
CMY	0.0000, 0.3138, 0.6430
CMYK	0.00, 0.31, 0.64, 0.00
HSL	31°, 100%, 68%
HSV	31°, 64%, 100%
XYZ	58.4669, 52.6753, 16.9904
YIQ	189.3440, 74.6440, -9.1640

Conversions

Conversions Part 2

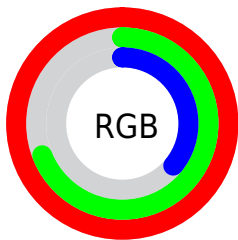
Format	Color
RYB	247, 255, 91
Decimal	16756571
CIELab	77.68, 21.43, 53.85
CIElCh	78, 57.955, 68.301
Yxy	52.6753, 0.4563, 0.4111
Android (android.graphics.Color)	4294946651 (0xFFFFAF5B)
YUV	189.3440, -48.4836, 57.5803
Hunter-Lab	72.5778, 16.7842, 36.9247

Details

The Yxy color **52.6753, 0.4563, 0.4111** 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 **38.5873, 0.2103, 0.2197**, and the grayscale version is **51.3460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4254, 0.3873, 0.4162**, and **25.5349, 0.4896, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **47.6826, 0.4832, 0.4172**, and if you desaturate by 10%, it is **58.2589, 0.4290, 0.4012**.

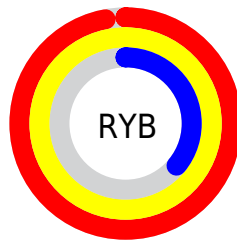
Distribution



Red (100%)

Green (69%)

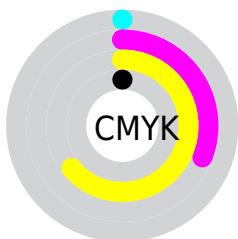
Blue (36%)



Red (97%)

Yellow (100%)

Blue (36%)

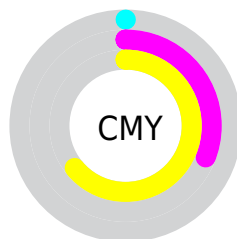


Cyan (0%)

Magenta (31%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6753, 0.4563, 0.4111 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 52.6753, 0.4563, 0.4111 by changing the saturation by 10% instead.


 52.6753, 0.4563,
0.4111


 52.6753, 0.4563,
0.4111


397.0381, 0.3883,
0.3770


 37.5436, 0.4712,
0.4170


 94.1264, 0.4330,
0.4006

 25.6287, 0.4890,
0.4230


 121.2146, 0.4237,
0.3961

 16.5461, 0.5100,
0.4283


 153.0571, 0.4158,
0.3921

 9.9114, 0.5348,
0.4314

 190.0384, 0.4088,
0.3884

 5.3402, 0.5677,
0.4323

232.5427, 0.4027,
0.3851

 2.4482, 0.5896,
0.4104

280.9545, 0.3974,

 0.8505, 0.6275,

0.3822

0.3725

335.6582, 0.3926,
0.3795

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.6753, 0.4563,
0.4111

52.6753, 0.4563,
0.4111

47.6826, 0.4832,
0.4172

58.2589, 0.4290,
0.4012

43.2602, 0.5082,
0.4184

64.4660, 0.4027,
0.3889

39.3739, 0.5295,
0.4140

71.3172, 0.3784,
0.3754

37.3779, 0.5400,
0.4094

78.8343, 0.3563,
0.3614

87.0378, 0.3367,
0.3476

95.9469, 0.3195,
0.3344

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.



52.6753, 0.4641, 0.3545



52.6753, 0.4563, 0.4111



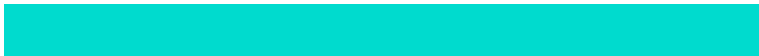
52.6753, 0.4086, 0.4577

Triad

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



52.6753, 0.4563, 0.4111



52.6753, 0.2094, 0.3488



52.6753, 0.2716, 0.2213

Complementary

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



52.6753, 0.4563, 0.4111



38.5873, 0.2103, 0.2197

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.



52.6753, 0.2142, 0.2119



52.6753, 0.4563, 0.4111



52.6753, 0.1818, 0.2738

Square

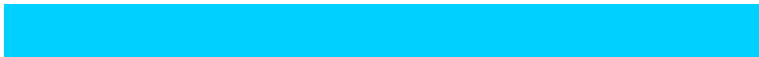
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.6753, 0.4563, 0.4111



52.6753, 0.2656, 0.4293



52.6753, 0.1839, 0.2279



52.6753, 0.3489, 0.2522

Rectangle

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



52.6753, 0.4563, 0.4111



52.6753, 0.3633, 0.4722



52.6753, 0.1839, 0.2279



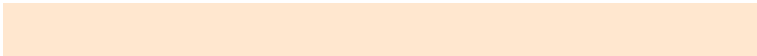
52.6753, 0.2496, 0.2156

Sweetspot

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



52.6729, 0.4563, 0.4111



83.0959, 0.3456, 0.3540



31.7657, 0.4130, 0.2497



17.2885, 0.3513, 0.3580



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.



52.6729, 0.4563, 0.4111



46.4341, 0.4903, 0.4181



93.5359, 0.4020, 0.4767



19.5251, 0.3281, 0.3412



19.8309, 0.5375, 0.4114



2.1496, 0.5204, 0.4250

Inverse Universe

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



38.5873, 0.2103, 0.2197



31.4023, 0.1944, 0.1940



16.9338, 0.1871, 0.1213



18.8411, 0.2979, 0.3165



11.6577, 0.1759, 0.1534



1.3529, 0.1817, 0.1743

Previews

White Background



This preview shows how the Yxy color 52.6753, 0.4563, 0.4111 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 52.6753, 0.4563, 0.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

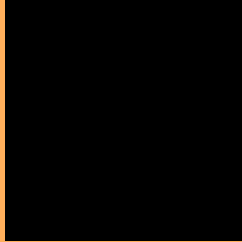
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6753, 0.4563, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 52.6753, 0.4563, 0.4111.



This preview shows how white text looks on a background with the Yxy color 52.6753, 0.4563, 0.4111.

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

52.6753, 0.4563, 0.4111

Protanopia

53.1491, 0.4028, 0.4399

Deuteranopia

52.7654, 0.4370, 0.4271



Tritanopia

52.5199, 0.3833, 0.3176

Trichromacy



Original Color

52.6753, 0.4563, 0.4111

Protanomaly

52.4380, 0.4221, 0.4288

Deuteranomaly

52.6138, 0.4438, 0.4209

Tritanomaly

52.4924, 0.4124, 0.3545

Monochromacy



Original Color

52.6753, 0.4563, 0.4111

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.7270, 0.3638, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6753, 0.4563, 0.4111 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, 175, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 91)  
}
```

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, 175, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 91) }
```

Border

The CSS property to change the border of an element to Yxy 52.6753, 0.4563, 0.4111 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, 175, 91) }
```

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

```
.border{ border-color:rgb(255, 175, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6753, 0.4563, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 91) }
```

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

```
.background{ background-color: rgb(255,  
175, 91) }
```

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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