

Converting Colors

Yxy(51.5924, 0.4825, 0.4386)

Have a look what the booklet for
Yxy(51.5924, 0.4825, 0.4386)
contains.

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Color

Yxy(51.7065, 0.4823, 0.4390)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE2B
RGB	255, 174, 43
RGB Percent	100%, 68%, 17%
CMY	0.0001, 0.3176, 0.8314
CMYK	0.00, 0.32, 0.83, 0.00
HSL	37°, 100%, 58%
HSV	37°, 83%, 100%
XYZ	56.8065, 51.7065, 9.2695
YIQ	183.2850, 90.3270, -23.5690

Conversions

Conversions Part 2

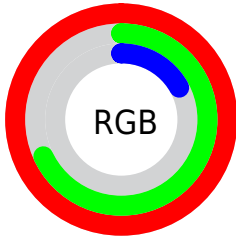
Format	Color
RYB	174, 255, 43
Decimal	16756267
CIELab	77.11, 19.85, 72.54
CIELCh	77, 75.212, 74.694
Yxy	51.7065, 0.4823, 0.4390
Android (android.graphics.Color)	4294946347 (0xFFFFAE2B)
YUV	183.2850, -69.1605, 62.8941
Hunter-Lab	71.9072, 15.1768, 42.6921

Details

The Yxy color **51.7065, 0.4823, 0.4390** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **22.1332, 0.1799, 0.1517**, and the grayscale version is **47.8692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2382, 0.4128, 0.4510**, and **25.2565, 0.5030, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **47.9492, 0.4990, 0.4377**, and if you desaturate by 10%, it is **55.8586, 0.4623, 0.4349**.

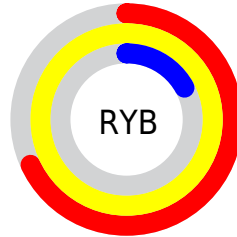
Distribution



Red (100%)

Green (68%)

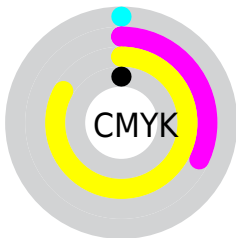
Blue (17%)



Red (68%)

Yellow (100%)

Blue (17%)

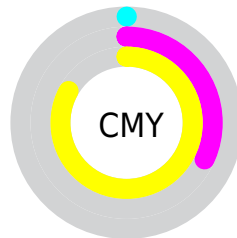


Cyan (0%)

Magenta (32%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (32%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7065, 0.4823, 0.4390 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 51.7065, 0.4823, 0.4390 by changing the saturation by 10% instead.


 51.7065, 0.4823,
0.4390

 51.7065, 0.4823,
0.4390

393.3025, 0.4061,
0.3966


 36.7712, 0.4970,
0.4447


 92.6982, 0.4577,
0.4272

 25.0304, 0.5131,
0.4494


 119.5235, 0.4474,
0.4216


 16.0997, 0.5309,
0.4521


 151.0808, 0.4384,
0.4165

 9.5947, 0.5495,
0.4505

 187.7546, 0.4304,
0.4118

 5.1311, 0.5631,
0.4369

 229.9292, 0.4233,
0.4075

 2.3244, 0.5842,
0.4158

 277.9892, 0.4170,

 0.7866, 0.6223,

0.4035

0.3777

332.3188, 0.4113,
0.3999

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.7065, 0.4823,
0.4390

51.7065, 0.4823,
0.4390

47.9492, 0.4990,
0.4377

55.8586, 0.4623,
0.4349


45.5745, 0.5087,
0.4343


60.4220, 0.4402,
0.4261

65.4202, 0.4173,
0.4136

70.8721, 0.3945,
0.3987

 76.7946, 0.3728,
0.3825

 83.2035, 0.3525,
0.3659

 90.1138, 0.3341,
0.3495

 97.5394, 0.3175,
0.3338

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



51.7065, 0.5101, 0.3688



51.7065, 0.4823, 0.4390



51.7065, 0.4108, 0.5002

Triad

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



51.7065, 0.4823, 0.4390



51.7065, 0.1712, 0.3282



51.7065, 0.2780, 0.2017

Complementary

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



51.7065, 0.4823, 0.4390



22.1332, 0.1799, 0.1517

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.



51.7065, 0.2011, 0.1840



51.7065, 0.4823, 0.4390



51.7065, 0.1482, 0.2394

Square

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



51.7065, 0.4823, 0.4390



51.7065, 0.2317, 0.4434



51.7065, 0.1585, 0.1942



51.7065, 0.3807, 0.2433

Rectangle

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



51.7065, 0.4823, 0.4390



51.7065, 0.3510, 0.5180



51.7065, 0.1585, 0.1942



51.7065, 0.2486, 0.1930

Sweetspot

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



51.7091, 0.4823, 0.4390



81.9908, 0.3562, 0.3689



24.4441, 0.4992, 0.2667



17.0622, 0.3632, 0.3748



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.



51.7091, 0.4823, 0.4390



45.5825, 0.5087, 0.4343



88.5453, 0.3978, 0.5113



19.8570, 0.3279, 0.3437



24.1155, 0.5069, 0.4357



2.5593, 0.4942, 0.4458

Inverse Universe

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



22.1332, 0.1799, 0.1517



15.8407, 0.1660, 0.1176



10.1638, 0.1677, 0.0801



18.5148, 0.2979, 0.3139



8.5428, 0.1669, 0.1206



1.0350, 0.1731, 0.1431

Previews

White Background



This preview shows how the Yxy color 51.7065, 0.4823, 0.4390 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 51.7065, 0.4823, 0.4390 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 51.7065, 0.4823, 0.4390

Background



This preview shows how black text looks on a background with the Yxy color 51.7065, 0.4823, 0.4390.



This preview shows how white text looks on a background with the Yxy color 51.7065, 0.4823, 0.4390.

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

51.7065, 0.4823, 0.4390

Protanopia

51.7630, 0.4306, 0.4756

Deuteranopia

51.7195, 0.4648, 0.4550



Tritanopia

51.6670, 0.3868, 0.3187

Trichromacy



Original Color

51.7065, 0.4823, 0.4390

Protanomaly

51.5532, 0.4494, 0.4619

Deuteranomaly

51.4065, 0.4715, 0.4492

Tritanomaly

51.1944, 0.4308, 0.3718

Monochromacy



Original Color

51.7065, 0.4823, 0.4390

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8638, 0.3796, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7065, 0.4823, 0.4390 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 43) }
```

Border

The CSS property to change the border of an element to Yxy 51.7065, 0.4823, 0.4390 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, 43) }
```

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

```
.border{ border-color:rgb(255, 174, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7065, 0.4823, 0.4390 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, 43) }
```

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

```
.background{ background-color: rgb(255,  
174, 43) }
```

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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