

Converting Colors

Yxy(51.2519, 0.4794, 0.4328)

Have a look what the booklet for
Yxy(51.2519, 0.4794, 0.4328)
contains.

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Color

Yxy(51.4135, 0.4790, 0.4332)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD36
RGB	255, 173, 54
RGB Percent	100%, 68%, 21%
CMY	0.0000, 0.3215, 0.7881
CMYK	0.00, 0.32, 0.79, 0.00
HSL	36°, 100%, 61%
HSV	36°, 79%, 100%
XYZ	56.8492, 51.4135, 10.4204
YIQ	183.9520, 87.0710, -19.6250

Conversions

Conversions Part 2

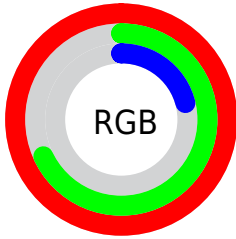
Format	Color
RYB	193, 255, 54
Decimal	16756022
CIELab	76.93, 20.72, 68.74
CIElCh	77, 71.794, 73.226
Yxy	51.4135, 0.4790, 0.4332
Android (android.graphics.Color)	4294946102 (0xFFFFAD36)
YUV	183.9520, -64.0663, 62.3091
Hunter-Lab	71.7032, 16.0414, 41.5758

Details

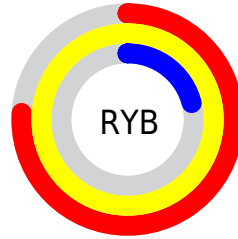
The Yxy color **51.4135, 0.4790, 0.4332** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.6176, 0.1866, 0.1685**, and the grayscale version is **48.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8726, 0.4087, 0.4433**, and **25.0122, 0.5045, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **47.4000, 0.4985, 0.4337**, and if you desaturate by 10%, it is **55.8683, 0.4567, 0.4275**.

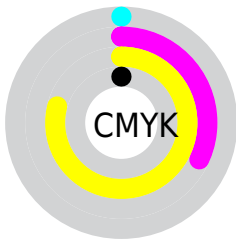
Distribution



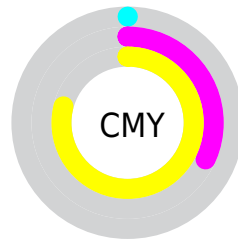
- Red (100%)
- Green (68%)
- Blue (21%)



- Red (76%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (32%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (32%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4135, 0.4790, 0.4332 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 51.4135, 0.4790, 0.4332 by changing the saturation by 10% instead.


 51.4135, 0.4790,
0.4332


 51.4135, 0.4790,
0.4332


392.1682, 0.4032,
0.3924


 36.5378, 0.4941,
0.4390


 92.2657, 0.4541,
0.4216


 24.8498, 0.5110,
0.4440


 119.0110, 0.4439,
0.4163


 15.9652, 0.5295,
0.4467


 150.4816, 0.4350,
0.4114

 9.4995, 0.5523,
0.4477

 187.0619, 0.4271,
0.4069

 5.0684, 0.5665,
0.4335

 229.1363, 0.4200,
0.4028

 2.2875, 0.5886,
0.4114

 277.0893, 0.4138,

 0.7671, 0.6288,

0.3990

0.3712

331.3051, 0.4082,
0.3956

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.4135, 0.4790,
0.4332

51.4135, 0.4790,
0.4332

47.4000, 0.4985,
0.4337

55.8683, 0.4567,
0.4275

43.7881, 0.5145,
0.4290


60.7806, 0.4330,
0.4174

43.3818, 0.5163,
0.4283

66.1741, 0.4090,
0.4043

72.0681, 0.3859,
0.3893

 78.4800, 0.3643,
0.3734

 85.4264, 0.3446,
0.3575

 92.9229, 0.3268,
0.3420

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



51.4135, 0.5020, 0.3655



51.4135, 0.4790, 0.4332



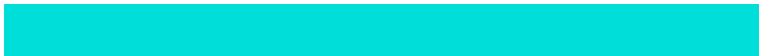
51.4135, 0.4122, 0.4918

Triad

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



51.4135, 0.4790, 0.4332



51.4135, 0.1786, 0.3340



51.4135, 0.2753, 0.2046

Complementary

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



51.4135, 0.4790, 0.4332



25.6176, 0.1866, 0.1685

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.



51.4135, 0.2024, 0.1888



51.4135, 0.4790, 0.4332



51.4135, 0.1540, 0.2466

Square

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



51.4135, 0.4790, 0.4332



51.4135, 0.2392, 0.4427



51.4135, 0.1625, 0.2005



51.4135, 0.3731, 0.2441

Rectangle

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



51.4135, 0.4790, 0.4332



51.4135, 0.3551, 0.5094



51.4135, 0.1625, 0.2005



51.4135, 0.2474, 0.1965

Sweetspot

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



51.4161, 0.4790, 0.4332



81.7578, 0.3546, 0.3657



25.7284, 0.4746, 0.2591



16.9779, 0.3617, 0.3714



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.



51.4161, 0.4790, 0.4332



45.1225, 0.5087, 0.4313



90.0048, 0.4013, 0.5032



19.7750, 0.3279, 0.3431



22.9696, 0.5143, 0.4299



2.4514, 0.5005, 0.4408

Inverse Universe

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



25.6176, 0.1866, 0.1685



18.7995, 0.1715, 0.1345



11.1917, 0.1705, 0.0869



18.5946, 0.2979, 0.3145



9.2247, 0.1690, 0.1282



1.1065, 0.1751, 0.1505

Previews

White Background



This preview shows how the Yxy color 51.4135, 0.4790, 0.4332 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 51.4135, 0.4790, 0.4332 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 51.4135, 0.4790, 0.4332

Background



This preview shows how black text looks on a background with the Yxy color 51.4135, 0.4790, 0.4332.



This preview shows how white text looks on a background with the Yxy color 51.4135, 0.4790, 0.4332.

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

51.4135, 0.4790, 0.4332

Protanopia

51.7235, 0.4251, 0.4692

Deuteranopia

51.6375, 0.4597, 0.4503



Tritanopia

51.3049, 0.3871, 0.3176

Trichromacy



Original Color

51.4135, 0.4790, 0.4332

Protanomaly

51.0704, 0.4451, 0.4558

Deuteranomaly

51.5012, 0.4671, 0.4439

Tritanomaly

50.9312, 0.4278, 0.3668

Monochromacy



Original Color

51.4135, 0.4790, 0.4332

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.1503, 0.3762, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4135, 0.4790, 0.4332 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, 173, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 54)  
}
```

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, 173, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 54) }
```

Border

The CSS property to change the border of an element to Yxy 51.4135, 0.4790, 0.4332 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, 173, 54) }
```

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

```
.border{ border-color:rgb(255, 173, 54) }
```

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

Here you see how a box with a 4 pixel rgb(255, 173, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4135, 0.4790, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 54) }
```

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

```
.background{ background-color: rgb(255,  
173, 54) }
```

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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