

Converting Colors

Yxy(51.0072, 0.4802, 0.4325)

Have a look what the booklet for
Yxy(51.0072, 0.4802, 0.4325)
contains.

Yxy(51.0314, 0.4800, 0.4323)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.0314, 0.4800, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	FFAC36
RGB	255, 172, 54
RGB Percent	100%, 67%, 21%
CMY	0.0000, 0.3255, 0.7883
CMYK	0.00, 0.33, 0.79, 0.00
HSL	35°, 100%, 61%
HSV	35°, 79%, 100%
XYZ	56.6622, 51.0314, 10.3527
YIQ	183.3650, 87.3460, -19.1020

Conversions

Conversions Part 2

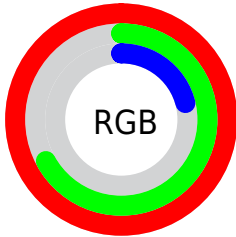
Format	Color
RYB	195, 255, 54
Decimal	16755766
CIELab	76.70, 21.25, 68.54
CIElCh	77, 71.759, 72.773
Yxy	51.0314, 0.4800, 0.4323
Android (android.graphics.Color)	4294945846 (0xFFFFAC36)
YUV	183.3650, -63.7769, 62.8239
Hunter-Lab	71.4363, 16.5701, 41.4130

Details

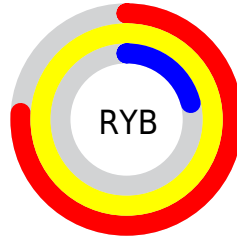
The Yxy color **51.0314, 0.4800, 0.4323** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.8943, 0.1870, 0.1698**, and the grayscale version is **47.8853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3023, 0.4098, 0.4433**, and **24.7704, 0.5059, 0.4365** is the 20% darker color. If you saturate the color by 10%, you get **47.0007, 0.4997, 0.4327**, and if you desaturate by 10%, it is **55.5051, 0.4575, 0.4267**.

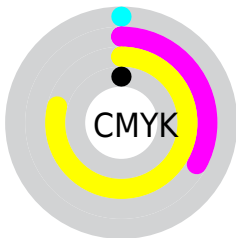
Distribution



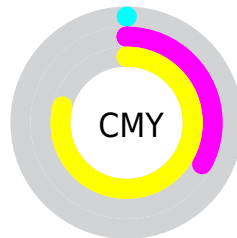
- Red (100%)
- Green (67%)
- Blue (21%)



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



- Cyan (0%)
- Magenta (33%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0314, 0.4800, 0.4323 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 51.0314, 0.4800, 0.4323 by changing the saturation by 10% instead.


 51.0314, 0.4800,
0.4323

 51.0314, 0.4800,
0.4323


390.6858, 0.4036,
0.3920


 36.2336, 0.4953,
0.4380


 91.7012, 0.4549,
0.4209


 24.6147, 0.5124,
0.4428


 118.3420, 0.4446,
0.4156


 15.7902, 0.5311,
0.4453


 149.6992, 0.4356,
0.4108

 9.3758, 0.5542,
0.4458

 186.1572, 0.4276,
0.4063

 4.9871, 0.5688,
0.4312

 228.1005, 0.4205,
0.4022

 2.2397, 0.5916,
0.4084

275.9135, 0.4143,

 0.7415, 0.6340,

0.3985

0.3660

329.9804, 0.4086,
0.3951

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0314, 0.4800,
0.4323

■ 51.0314, 0.4800,
0.4323

■ 47.0007, 0.4997,
0.4327

■ 55.5051, 0.4575,
0.4267

■ 43.3807, 0.5159,
0.4278

■ 60.4460, 0.4335,
0.4168

■ 42.9782, 0.5177,
0.4271

■ 65.8757, 0.4094,
0.4037

■ 71.8134, 0.3862,
0.3888

■ 78.2770, 0.3644,
0.3731

■ 85.2834, 0.3446,
0.3573

■ 92.8482, 0.3268,
0.3419

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.



51.0314, 0.5023, 0.3645



51.0314, 0.4800, 0.4323



51.0314, 0.4136, 0.4914

Triad

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



51.0314, 0.4800, 0.4323



51.0314, 0.1790, 0.3356



51.0314, 0.2739, 0.2040

Complementary

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



51.0314, 0.4800, 0.4323



25.8943, 0.1870, 0.1698

Split Complementary

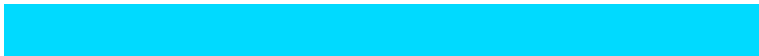
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.0314, 0.2014, 0.1885



51.0314, 0.4800, 0.4323



51.0314, 0.1539, 0.2474

Square

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



51.0314, 0.4800, 0.4323



51.0314, 0.2402, 0.4444



51.0314, 0.1619, 0.2007



51.0314, 0.3717, 0.2432

Rectangle

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



51.0314, 0.4800, 0.4323



51.0314, 0.3564, 0.5097



51.0314, 0.1619, 0.2007



51.0314, 0.2461, 0.1960

Sweetspot

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



51.0314, 0.4800, 0.4323



81.5889, 0.3546, 0.3654



25.7256, 0.4747, 0.2591



16.9373, 0.3618, 0.3711



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.



51.0314, 0.4800, 0.4323



44.7206, 0.5101, 0.4302



90.0067, 0.4013, 0.5032



19.7595, 0.3279, 0.3429



22.7585, 0.5157, 0.4287



2.4314, 0.5017, 0.4399

Inverse Universe

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



25.8943, 0.1870, 0.1698



19.0652, 0.1719, 0.1360



11.1880, 0.1705, 0.0869



18.6098, 0.2979, 0.3147



9.3606, 0.1694, 0.1297



1.1206, 0.1755, 0.1519

Previews

White Background



This preview shows how the Yxy color 51.0314, 0.4800, 0.4323 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 51.0314, 0.4800, 0.4323 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 51.0314, 0.4800, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 51.0314, 0.4800, 0.4323.



This preview shows how white text looks on a background with the Yxy color 51.0314, 0.4800, 0.4323.

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

51.0314, 0.4800, 0.4323

Protanopia

51.1397, 0.4250, 0.4689

Deuteranopia

51.0587, 0.4598, 0.4500



Tritanopia

50.9061, 0.3884, 0.3176

Trichromacy



Original Color

51.0314, 0.4800, 0.4323

Protanomaly

50.6564, 0.4460, 0.4549

Deuteranomaly

50.9253, 0.4672, 0.4435

Tritanomaly

50.5361, 0.4293, 0.3667

Monochromacy



Original Color

51.0314, 0.4800, 0.4323

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5731, 0.3766, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0314, 0.4800, 0.4323 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, 172, 54)` looks like.

```
.text, #text, p{  
  color:rgb(255, 172, 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, 172, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 54) }
```

Border

The CSS property to change the border of an element to Yxy 51.0314, 0.4800, 0.4323 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, 172, 54) }
```

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

```
.border{ border-color:rgb(255, 172, 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, 172, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0314, 0.4800, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 54) }
```

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

```
.background{ background-color: rgb(255,  
172, 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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