

Converting Colors

Yxy(51.1610, 0.4773, 0.4348)

Have a look what the booklet for
Yxy(51.1610, 0.4773, 0.4348)
contains.

Yxy(51.0268, 0.4779, 0.4347)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.0268, 0.4779, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	FDAD35
RGB	253, 173, 53
RGB Percent	99%, 68%, 21%
CMY	0.0078, 0.3216, 0.7922
CMYK	0.00, 0.32, 0.79, 0.01
HSL	36°, 98%, 60%
HSV	36°, 79%, 99%
XYZ	56.0978, 51.0268, 10.2594
YIQ	183.2400, 86.2000, -20.3600

Conversions

Conversions Part 2

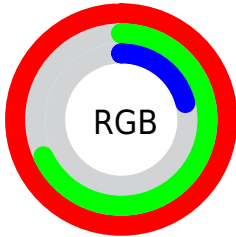
Format	Color
R _Y B	186, 253, 53
Decimal	16624949
CIE Lab	76.70, 19.86, 68.81
CIE LCh	77, 71.620, 73.899
Yxy	51.0268, 0.4779, 0.4347
Android (android.graphics.Color)	4294815029 (0xFFFDAD35)
YUV	183.2400, -64.2083, 61.1795
Hunter-Lab	71.4330, 15.1718, 41.4878

Details

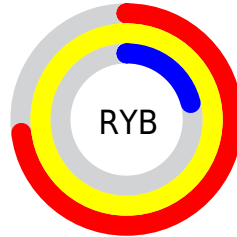
The Yxy color **51.0268, 0.4779, 0.4347** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **24.6263, 0.1858, 0.1659**, and the grayscale version is **47.8179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8509, 0.4092, 0.4441**, and **24.7511, 0.5026, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **47.1190, 0.4969, 0.4353**, and if you desaturate by 10%, it is **55.3566, 0.4560, 0.4289**.

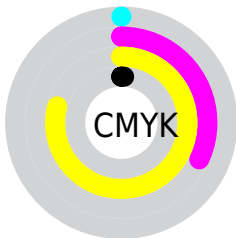
Distribution



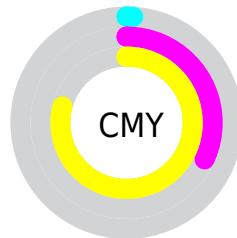
- Red (99%)
- Green (68%)
- Blue (21%)



- Red (73%)
- Yellow (99%)
- Blue (21%)



- Cyan (0%)
- Magenta (32%)
- Yellow (79%)
- Black (1%)





- Cyan (1%)
- Magenta (32%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0268, 0.4779, 0.4347 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 51.0268, 0.4779, 0.4347 by changing the saturation by 10% instead.


 51.0268, 0.4779,
0.4347


 51.0268, 0.4779,
0.4347


390.6679, 0.4026,
0.3931


 36.2299, 0.4929,
0.4407


 91.6944, 0.4532,
0.4228


 24.6118, 0.5096,
0.4459


 118.3339, 0.4431,
0.4173


 15.7881, 0.5278,
0.4489


 149.6898, 0.4342,
0.4123

 9.3743, 0.5500,
0.4500

 186.1463, 0.4263,
0.4077

 4.9861, 0.5638,
0.4362

 228.0880, 0.4194,
0.4036

 2.2391, 0.5853,
0.4147

 275.8993, 0.4132,

 0.7412, 0.6258,

0.3997

0.3742

329.9644, 0.4076,
0.3963

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0268, 0.4779,
0.4347

■ 51.0268, 0.4779,
0.4347

■ 47.1190, 0.4969,
0.4353

■ 55.3566, 0.4560,
0.4289

■ 43.5937, 0.5125,
0.4307

■ 60.1237, 0.4327,
0.4188

■ 43.2772, 0.5139,
0.4301

■ 65.3513, 0.4090,
0.4056

■ 71.0577, 0.3861,
0.3904

■ 77.2600, 0.3646,
0.3744

■ 83.9739, 0.3449,
0.3582

■ 91.2144, 0.3272,
0.3425

98.9695, 0.3115,
0.3280

99.6251, 0.3115,
0.3290

Harmonies

Analogous

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



51.0268, 0.5022, 0.3670



51.0268, 0.4779, 0.4347



51.0268, 0.4104, 0.4928

Triad

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



51.0268, 0.4779, 0.4347



51.0268, 0.1776, 0.3316



51.0268, 0.2773, 0.2053

Complementary

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



51.0268, 0.4779, 0.4347



24.6263, 0.1858, 0.1659

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.



51.0268, 0.2037, 0.1888



51.0268, 0.4779, 0.4347



51.0268, 0.1539, 0.2451

Square

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



51.0268, 0.4779, 0.4347



51.0268, 0.2375, 0.4405



51.0268, 0.1630, 0.1999



51.0268, 0.3754, 0.2452

Rectangle

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



51.0268, 0.4779, 0.4347



51.0268, 0.3531, 0.5095



51.0268, 0.1630, 0.1999



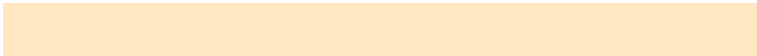
51.0268, 0.2492, 0.1970

Sweetspot

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



51.0294, 0.4779, 0.4347



82.0287, 0.3545, 0.3662



25.2179, 0.4753, 0.2591



17.0431, 0.3616, 0.3720



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.



51.0294, 0.4779, 0.4347



45.7742, 0.5066, 0.4330



88.4079, 0.4014, 0.5035



19.8000, 0.3279, 0.3432



23.3122, 0.5120, 0.4317



2.4838, 0.4985, 0.4424

Inverse Universe

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



24.6263, 0.1858, 0.1659



18.3815, 0.1708, 0.1322



10.9279, 0.1702, 0.0865



18.5703, 0.2979, 0.3143



9.0113, 0.1683, 0.1259



1.0842, 0.1745, 0.1482

Previews

White Background



This preview shows how the Yxy color 51.0268, 0.4779, 0.4347 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 51.0268, 0.4779, 0.4347 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 51.0268, 0.4779, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 51.0268, 0.4779, 0.4347.



This preview shows how white text looks on a background with the Yxy color 51.0268, 0.4779, 0.4347.

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

51.0268, 0.4779, 0.4347

Protanopia

51.2685, 0.4268, 0.4696

Deuteranopia

51.0499, 0.4602, 0.4505



Tritanopia

50.9061, 0.3884, 0.3176

Trichromacy



Original Color

51.0268, 0.4779, 0.4347

Protanomaly

51.0605, 0.4456, 0.4564

Deuteranomaly

50.7380, 0.4668, 0.4445

Tritanomaly

50.3470, 0.4284, 0.3669

Monochromacy



Original Color

51.0268, 0.4779, 0.4347

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4277, 0.3756, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0268, 0.4779, 0.4347 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(253, 173, 53)` looks like.

```
.text, #text, p{  
    color:rgb(253, 173, 53)  
}
```

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(253, 173, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 173, 53) }
```

Border

The CSS property to change the border of an element to Yxy 51.0268, 0.4779, 0.4347 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(253, 173, 53) }
```

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

```
.border{ border-color:rgb(253, 173, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 173, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 173, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 173, 53);  
box-shadow:4px 4px 4px 4px rgb(253, 173,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0268, 0.4779, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 173, 53) }
```

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

```
.background{ background-color: rgb(253,  
173, 53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor