

Converting Colors

Yxy(51.2163, 0.4662, 0.4161)

Have a look what the booklet for
Yxy(51.2163, 0.4662, 0.4161)
contains.

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Color

Yxy(51.3442, 0.4660, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	FFAC50
RGB	255, 172, 80
RGB Percent	100%, 67%, 31%
CMY	0.0001, 0.3254, 0.6863
CMYK	0.00, 0.33, 0.69, 0.00
HSL	32°, 100%, 66%
HSV	32°, 69%, 100%
XYZ	57.4325, 51.3442, 14.4691
YIQ	186.3290, 79.0000, -11.0160

Conversions

Conversions Part 2

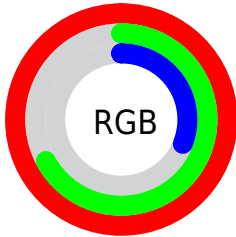
Format	Color
R _Y B	238, 255, 80
Decimal	16755792
CIE Lab	76.89, 22.34, 58.09
CIE LCh	77, 62.236, 68.968
Yxy	51.3442, 0.4660, 0.4166
Android (android.graphics.Color)	4294945872 (0xFFFFAC50)
YUV	186.3290, -52.4202, 60.2245
Hunter-Lab	71.6549, 17.6746, 38.1862

Details

The Yxy color **51.3442, 0.4660, 0.4166** 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 **35.0941, 0.2037, 0.2076**, and the grayscale version is **49.5643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4403, 0.3955, 0.4237**, and **24.9725, 0.4997, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **46.6446, 0.4916, 0.4210**, and if you desaturate by 10%, it is **56.6104, 0.4393, 0.4079**.

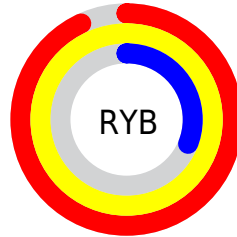
Distribution



Red (100%)

Green (67%)

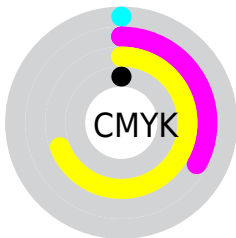
Blue (31%)



Red (93%)

Yellow (100%)

Blue (31%)

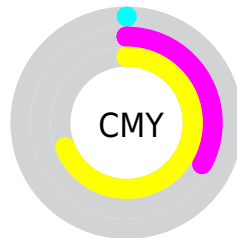


Cyan (0%)

Magenta (33%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3442, 0.4660, 0.4166 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 51.3442, 0.4660, 0.4166 by changing the saturation by 10% instead.

 51.3442, 0.4660,
0.4166


 51.3442, 0.4660,
0.4166


391.8996, 0.3938,
0.3810

 36.4826, 0.4815,
0.4223


 92.1634, 0.4414,
0.4059


 24.8072, 0.4997,
0.4279


 118.8897, 0.4317,
0.4013


 15.9334, 0.5208,
0.4321


 150.3398, 0.4232,
0.3970

 9.4771, 0.5473,
0.4350

 186.8980, 0.4158,
0.3931

 5.0536, 0.5723,
0.4277

 228.9486, 0.4093,
0.3897

 2.2788, 0.5958,
0.4042

276.8762, 0.4035,

 0.7624, 0.6385,

0.3865

0.3615

331.0651, 0.3984,
0.3836

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.3442, 0.4660,
0.4166

51.3442, 0.4660,
0.4166

46.6446, 0.4916,
0.4210

56.6104, 0.4393,
0.4079

42.4755, 0.5145,
0.4201


62.4605, 0.4130,
0.3962

38.8036, 0.5334,
0.4138

68.9201, 0.3881,
0.3827

38.3343, 0.5358,
0.4127

76.0106, 0.3653,
0.3684

 83.7520, 0.3448,
0.3541

 92.1634, 0.3266,
0.3403

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



51.3442, 0.4766, 0.3561



51.3442, 0.4660, 0.4166



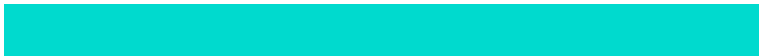
51.3442, 0.4131, 0.4678

Triad

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



51.3442, 0.4660, 0.4166



51.3442, 0.2005, 0.3478



51.3442, 0.2697, 0.2145

Complementary

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



51.3442, 0.4660, 0.4166



35.0941, 0.2037, 0.2076

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.



51.3442, 0.2081, 0.2038



51.3442, 0.4660, 0.4166



51.3442, 0.1725, 0.2671

Square

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



51.3442, 0.4660, 0.4166



51.3442, 0.2596, 0.4371



51.3442, 0.1756, 0.2195



51.3442, 0.3534, 0.2476

Rectangle

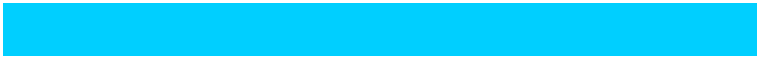
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.3442, 0.4660, 0.4166



51.3442, 0.3640, 0.4844



51.3442, 0.1756, 0.2195



51.3442, 0.2461, 0.2083

Sweetspot

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



51.3468, 0.4660, 0.4166



81.8780, 0.3494, 0.3575



29.6903, 0.4274, 0.2495



17.0628, 0.3550, 0.3614



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.



51.3468, 0.4660, 0.4166



45.1928, 0.4997, 0.4213



92.7872, 0.4038, 0.4844



19.5684, 0.3281, 0.3415



20.3368, 0.5334, 0.4146



2.1990, 0.5169, 0.4278

Inverse Universe

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



35.0941, 0.2037, 0.2076



28.0557, 0.1880, 0.1800



14.7875, 0.1807, 0.1092



18.7980, 0.2979, 0.3162



11.1967, 0.1747, 0.1488



1.3070, 0.1806, 0.1700

Previews

White Background



This preview shows how the Yxy color 51.3442, 0.4660, 0.4166 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 51.3442, 0.4660, 0.4166 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 51.3442, 0.4660, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 51.3442, 0.4660, 0.4166.



This preview shows how white text looks on a background with the Yxy color 51.3442, 0.4660, 0.4166.

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

51.3442, 0.4660, 0.4166

Protanopia

51.3477, 0.4099, 0.4483

Deuteranopia

51.4307, 0.4437, 0.4348



Tritanopia

51.3049, 0.3871, 0.3176

Trichromacy



Original Color

51.3442, 0.4660, 0.4166

Protanomaly

50.8380, 0.4306, 0.4360

Deuteranomaly

51.4600, 0.4516, 0.4280

Tritanomaly

51.1884, 0.4195, 0.3576

Monochromacy



Original Color

51.3442, 0.4660, 0.4166

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0032, 0.3682, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3442, 0.4660, 0.4166 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 80) }
```

Border

The CSS property to change the border of an element to Yxy 51.3442, 0.4660, 0.4166 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, 80) }
```

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

```
.border{ border-color:rgb(255, 172, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3442, 0.4660, 0.4166 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, 80) }
```

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

```
.background{ background-color: rgb(255,  
172, 80) }
```

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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