

Converting Colors

Yxy(51.1369, 0.4718, 0.4233)

Have a look what the booklet for
Yxy(51.1369, 0.4718, 0.4233)
contains.

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Color

Yxy(51.2072, 0.4720, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	FFAC46
RGB	255, 172, 70
RGB Percent	100%, 67%, 27%
CMY	0.0000, 0.3255, 0.7256
CMYK	0.00, 0.33, 0.73, 0.00
HSL	33°, 100%, 64%
HSV	33°, 73%, 100%
XYZ	57.0985, 51.2072, 12.6657
YIQ	185.1890, 82.2100, -14.1260

Conversions

Conversions Part 2

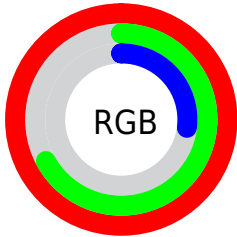
Format	Color
R _Y B	221, 255, 70
Decimal	16755782
CIE Lab	76.80, 21.87, 62.38
CIE LCh	77, 66.100, 70.678
Yxy	51.2072, 0.4720, 0.4233
Android (android.graphics.Color)	4294945862 (0xFFFFAC46)
YUV	185.1890, -56.7882, 61.2242
Hunter-Lab	71.5592, 17.2001, 39.5973

Details

The Yxy color **51.2072, 0.4720, 0.4233** 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 **31.2968, 0.1970, 0.1929**, and the grayscale version is **48.9147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6282, 0.4020, 0.4317**, and **24.7835, 0.5045, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **46.7842, 0.4954, 0.4263**, and if you desaturate by 10%, it is **56.1457, 0.4467, 0.4156**.

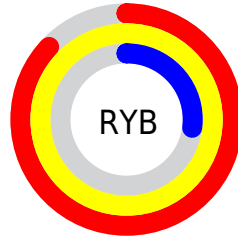
Distribution



Red (100%)

Green (67%)

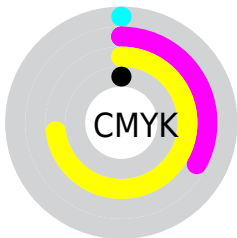
Blue (27%)



Red (87%)

Yellow (100%)

Blue (27%)

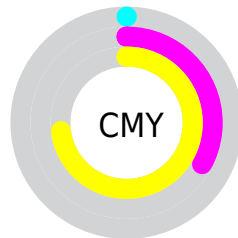


Cyan (0%)

Magenta (33%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2072, 0.4720, 0.4233 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 51.2072, 0.4720, 0.4233 by changing the saturation by 10% instead.

 51.2072, 0.4720,
0.4233


 51.2072, 0.4720,
0.4233

391.3683, 0.3978,
0.3855


 36.3735, 0.4875,
0.4291


 91.9610, 0.4471,
0.4122

 24.7228, 0.5054,
0.4344


 118.6499, 0.4371,
0.4073

 15.8707, 0.5256,
0.4380


 150.0593, 0.4284,
0.4027

 9.4327, 0.5539,
0.4425

 186.5737, 0.4207,
0.3986

 5.0245, 0.5708,
0.4292

 228.5773, 0.4140,
0.3949

 2.2616, 0.5940,
0.4060

276.4547, 0.4080,

 0.7533, 0.6366,

0.3915

0.3634

330.5903, 0.4026,
0.3884

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.2072, 0.4720,
0.4233

51.2072, 0.4720,
0.4233

46.7842, 0.4954,
0.4263

56.1457, 0.4467,
0.4156

42.8425, 0.5156,
0.4237

61.6180, 0.4211,
0.4043

40.1957, 0.5283,
0.4188

67.6482, 0.3964,
0.3908

74.2567, 0.3733,
0.3761

81.4625, 0.3522,
0.3612

89.2835, 0.3334,
0.3465

97.7365, 0.3167,
0.3324

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.



51.2072, 0.4873, 0.3598



51.2072, 0.4720, 0.4233



51.2072, 0.4135, 0.4775

Triad

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



51.2072, 0.4720, 0.4233



51.2072, 0.1915, 0.3428



51.2072, 0.2715, 0.2102

Complementary

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



51.2072, 0.4720, 0.4233



31.2968, 0.1970, 0.1929

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.



51.2072, 0.2054, 0.1974



51.2072, 0.4720, 0.4233



51.2072, 0.1647, 0.2589

Square

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



51.2072, 0.4720, 0.4233



51.2072, 0.2516, 0.4401



51.2072, 0.1699, 0.2116



51.2072, 0.3609, 0.2459

Rectangle

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



51.2072, 0.4720, 0.4233



51.2072, 0.3610, 0.4947



51.2072, 0.1699, 0.2116



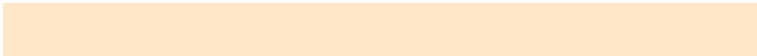
51.2072, 0.2462, 0.2032

Sweetspot

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



51.2092, 0.4720, 0.4233



81.8806, 0.3511, 0.3603



27.9462, 0.4465, 0.2536



17.0927, 0.3566, 0.3644



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.



51.2092, 0.4720, 0.4233



44.9744, 0.5048, 0.4258



91.5095, 0.4025, 0.4925



19.6478, 0.3280, 0.3421



21.3058, 0.5260, 0.4206



2.2927, 0.5105, 0.4329

Inverse Universe

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



31.2968, 0.1970, 0.1929



24.2298, 0.1812, 0.1625



13.2706, 0.1770, 0.1000



18.7194, 0.2979, 0.3155



10.3948, 0.1724, 0.1406



1.2264, 0.1784, 0.1624

Previews

White Background



This preview shows how the Yxy color 51.2072, 0.4720, 0.4233 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 51.2072, 0.4720, 0.4233 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 51.2072, 0.4720, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 51.2072, 0.4720, 0.4233.



This preview shows how white text looks on a background with the Yxy color 51.2072, 0.4720, 0.4233.

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

51.2072, 0.4720, 0.4233

Protanopia

51.3320, 0.4172, 0.4572

Deuteranopia

51.0523, 0.4516, 0.4412



Tritanopia

51.2654, 0.3881, 0.3187

Trichromacy



Original Color

51.2072, 0.4720, 0.4233

Protanomaly

50.8420, 0.4380, 0.4442

Deuteranomaly

51.0947, 0.4596, 0.4343

Tritanomaly

51.0714, 0.4232, 0.3617

Monochromacy



Original Color

51.2072, 0.4720, 0.4233

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3273, 0.3711, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2072, 0.4720, 0.4233 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 70) }
```

Border

The CSS property to change the border of an element to Yxy 51.2072, 0.4720, 0.4233 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, 70) }
```

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

```
.border{ border-color:rgb(255, 172, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2072, 0.4720, 0.4233 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, 70) }
```

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

```
.background{ background-color: rgb(255,  
172, 70) }
```

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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