

Converting Colors

$Yxy(50.6901, 0.4696, 0.4175)$

Have a look what the booklet for
Yxy(50.6901, 0.4696, 0.4175)
contains.

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Color

Yxy(50.5453, 0.4696, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA4D
RGB	255, 170, 77
RGB Percent	100%, 67%, 30%
CMY	0.0001, 0.3333, 0.6980
CMYK	0.00, 0.33, 0.70, 0.00
HSL	31°, 100%, 65%
HSV	31°, 70%, 100%
XYZ	56.9484, 50.5453, 13.7763
YIQ	184.8130, 80.5130, -10.9030

Conversions

Conversions Part 2

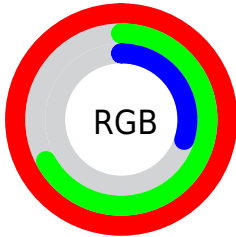
Format	Color
R _Y B	240, 255, 77
Decimal	16755277
CIE Lab	76.40, 23.23, 58.91
CIE LCh	76, 63.326, 68.478
Yxy	50.5453, 0.4696, 0.4168
Android (android.graphics.Color)	4294945357 (0xFFFFAA4D)
YUV	184.8130, -53.1518, 61.5540
Hunter-Lab	71.0952, 18.5646, 38.2779

Details

The Yxy color **50.5453, 0.4696, 0.4168** 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 **34.6244, 0.2024, 0.2059**, and the grayscale version is **48.6757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7221, 0.3988, 0.4238**, and **24.3485, 0.5031, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **45.9005, 0.4951, 0.4206**, and if you desaturate by 10%, it is **55.7588, 0.4428, 0.4086**.

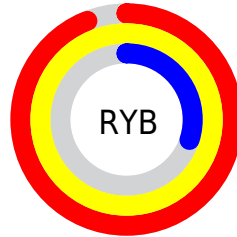
Distribution



Red (100%)

Green (67%)

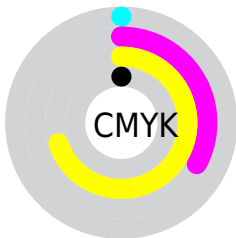
Blue (30%)



Red (94%)

Yellow (100%)

Blue (30%)

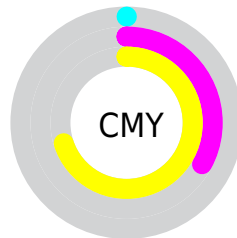


Cyan (0%)

Magenta (33%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5453, 0.4696, 0.4168 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 50.5453, 0.4696, 0.4168 by changing the saturation by 10% instead.


 50.5453, 0.4696,
0.4168

 50.5453, 0.4696,
0.4168


388.7946, 0.3956,
0.3814

 35.8469, 0.4854,
0.4223


 90.9823, 0.4445,
0.4063

 24.3160, 0.5040,
0.4275


 117.4896, 0.4345,
0.4017

 15.5682, 0.5254,
0.4311


 148.7021, 0.4258,
0.3975

 9.2191, 0.5533,
0.4340

 185.0040, 0.4182,
0.3936

 4.8844, 0.5764,
0.4236

 226.7799, 0.4115,
0.3901

 2.1796, 0.6013,
0.3987

274.4140, 0.4056,

 0.7088, 0.6484,

0.3869

0.3516

328.2907, 0.4004,
0.3841

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.5453, 0.4696,
0.4168

50.5453, 0.4696,
0.4168

45.9005, 0.4951,
0.4206

55.7588, 0.4428,
0.4086

41.7878, 0.5177,
0.4189

61.5591, 0.4162,
0.3972

38.1698, 0.5365,
0.4121

67.9722, 0.3910,
0.3840

38.1016, 0.5368,
0.4119

75.0199, 0.3679,
0.3699

82.7224, 0.3471,
0.3556

91.0993, 0.3286,
0.3418

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



50.5453, 0.4800, 0.3552



50.5453, 0.4696, 0.4168



50.5453, 0.4159, 0.4698

Triad

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



50.5453, 0.4696, 0.4168



50.5453, 0.1989, 0.3496



50.5453, 0.2675, 0.2121

Complementary

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



50.5453, 0.4696, 0.4168



34.6244, 0.2024, 0.2059

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.



50.5453, 0.2053, 0.2015



50.5453, 0.4696, 0.4168



50.5453, 0.1701, 0.2666

Square

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



50.5453, 0.4696, 0.4168



50.5453, 0.2594, 0.4412



50.5453, 0.1728, 0.2178



50.5453, 0.3527, 0.2454

Rectangle

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



50.5453, 0.4696, 0.4168



50.5453, 0.3660, 0.4878



50.5453, 0.1728, 0.2178



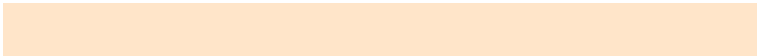
50.5453, 0.2436, 0.2058

Sweetspot

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



50.5479, 0.4696, 0.4168



81.7789, 0.3495, 0.3573



29.2094, 0.4303, 0.2489



17.0392, 0.3550, 0.3612



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.



50.5479, 0.4696, 0.4168



44.1184, 0.5051, 0.4205



92.7389, 0.4048, 0.4860



19.5580, 0.3281, 0.3414



20.2141, 0.5344, 0.4139



2.1870, 0.5177, 0.4271

Inverse Universe

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



34.6244, 0.2024, 0.2059



27.3482, 0.1863, 0.1770



14.2312, 0.1787, 0.1060



18.8083, 0.2979, 0.3162



11.3057, 0.1750, 0.1499



1.3179, 0.1809, 0.1710

Previews

White Background



This preview shows how the Yxy color 50.5453, 0.4696, 0.4168 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 50.5453, 0.4696, 0.4168 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 50.5453, 0.4696, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 50.5453, 0.4696, 0.4168.



This preview shows how white text looks on a background with the Yxy color 50.5453, 0.4696, 0.4168.

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

50.5453, 0.4696, 0.4168

Protanopia

50.7214, 0.4116, 0.4505

Deuteranopia

50.7991, 0.4461, 0.4373



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.5453, 0.4696, 0.4168

Protanomaly

50.2187, 0.4324, 0.4380

Deuteranomaly

50.4359, 0.4549, 0.4295

Tritanomaly

50.3965, 0.4224, 0.3576

Monochromacy



Original Color

50.5453, 0.4696, 0.4168

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4195, 0.3685, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5453, 0.4696, 0.4168 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, 170, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 77)  
}
```

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, 170, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 77) }
```

Border

The CSS property to change the border of an element to Yxy 50.5453, 0.4696, 0.4168 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, 170, 77) }
```

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

```
.border{ border-color:rgb(255, 170, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 170, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5453, 0.4696, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 77) }
```

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

```
.background{ background-color: rgb(255,  
170, 77) }
```

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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