

Converting Colors

Yxy(53.7829, 0.4691, 0.4332)

Have a look what the booklet for
Yxy(53.7829, 0.4691, 0.4332)
contains.

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Color

Yxy(53.8704, 0.4688, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	FFB340
RGB	255, 179, 64
RGB Percent	100%, 70%, 25%
CMY	0.0000, 0.2980, 0.7491
CMYK	0.00, 0.30, 0.75, 0.00
HSL	36°, 100%, 63%
HSV	36°, 75%, 100%
XYZ	58.2840, 53.8704, 12.1715
YIQ	188.6140, 82.2110, -19.6530

Conversions

Conversions Part 2

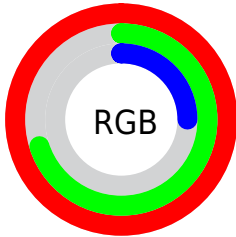
Format	Color
R _Y B	190, 255, 64
Decimal	16757568
CIE Lab	78.39, 17.95, 66.39
CIE LCh	78, 68.775, 74.869
Yxy	53.8704, 0.4688, 0.4333
Android (android.graphics.Color)	4294947648 (0xFFFFB340)
YUV	188.6140, -61.4347, 58.2205
Hunter-Lab	73.3965, 13.3027, 41.5453

Details

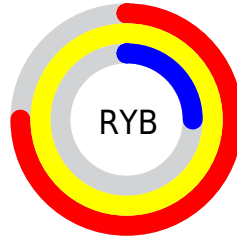
The Yxy color **53.8704, 0.4688, 0.4333** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **27.0521, 0.1907, 0.1747**, and the grayscale version is **50.9791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0086, 0.4001, 0.4417**, and **26.2592, 0.4973, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **49.7285, 0.4890, 0.4361**, and if you desaturate by 10%, it is **58.4494, 0.4463, 0.4256**.

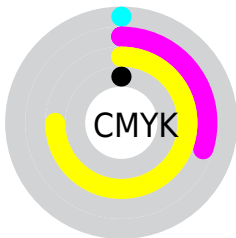
Distribution



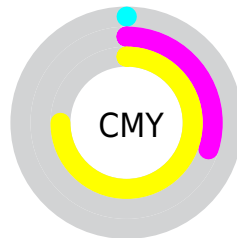
- Red (100%)
- Green (70%)
- Blue (25%)



- Red (75%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (30%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8704, 0.4688, 0.4333 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 53.8704, 0.4688, 0.4333 by changing the saturation by 10% instead.


 53.8704, 0.4688,
0.4333


 53.8704, 0.4688,
0.4333


401.6156, 0.3977,
0.3913


 38.4981, 0.4831,
0.4399


 95.8839, 0.4453,
0.4209

 26.3695, 0.4993,
0.4461

 123.2939, 0.4358,
0.4154

 17.1002, 0.5172,
0.4509


 155.4852, 0.4274,
0.4103

 10.3060, 0.5425,
0.4575

 192.8423, 0.4200,
0.4058

 5.6023, 0.5544,
0.4456

 235.7494, 0.4135,
0.4016

 2.6048, 0.5725,
0.4275

284.5911, 0.4076,

 0.9291, 0.6040,

0.3979

0.3960

339.7517, 0.4024,
0.3944

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.8704, 0.4688,
0.4333

53.8704, 0.4688,
0.4333

49.7285, 0.4890,
0.4361

58.4494, 0.4463,
0.4256

45.9894, 0.5059,
0.4335

63.4796, 0.4227,
0.4140

44.2267, 0.5133,
0.4306

68.9834, 0.3993,
0.3997

74.9788, 0.3770,
0.3840

81.4827, 0.3562,
0.3678

88.5105, 0.3373,
0.3518

96.0771, 0.3204,
0.3363

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



53.8704, 0.4923, 0.3689



53.8704, 0.4688, 0.4333



53.8704, 0.4044, 0.4860

Triad

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



53.8704, 0.4688, 0.4333



53.8704, 0.1831, 0.3290



53.8704, 0.2822, 0.2118

Complementary

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



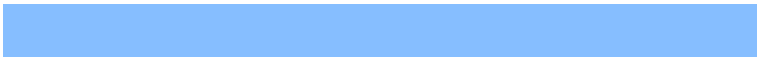
53.8704, 0.4688, 0.4333



27.0521, 0.1907, 0.1747

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.



53.8704, 0.2108, 0.1952



53.8704, 0.4688, 0.4333



53.8704, 0.1608, 0.2481

Square

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



53.8704, 0.4688, 0.4333



53.8704, 0.2397, 0.4303



53.8704, 0.1705, 0.2054



53.8704, 0.3753, 0.2509

Rectangle

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



53.8704, 0.4688, 0.4333



53.8704, 0.3496, 0.4990



53.8704, 0.1705, 0.2054



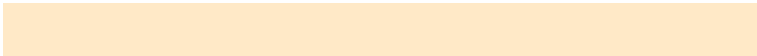
53.8704, 0.2551, 0.2035

Sweetspot

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



53.8731, 0.4688, 0.4333



83.4782, 0.3505, 0.3631



26.8273, 0.4677, 0.2623



17.4705, 0.3558, 0.3675



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.



53.8731, 0.4688, 0.4333



47.7793, 0.4981, 0.4355



89.7022, 0.3972, 0.5002



19.8071, 0.3279, 0.3433



23.4101, 0.5114, 0.4322



2.4930, 0.4980, 0.4428

Inverse Universe

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



27.0521, 0.1907, 0.1747



20.1070, 0.1745, 0.1415



12.7254, 0.1777, 0.0964



18.5634, 0.2979, 0.3143



8.9519, 0.1681, 0.1252



1.0780, 0.1743, 0.1476

Previews

White Background



This preview shows how the Yxy color 53.8704, 0.4688, 0.4333 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 53.8704, 0.4688, 0.4333 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 53.8704, 0.4688, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 53.8704, 0.4688, 0.4333.



This preview shows how white text looks on a background with the Yxy color 53.8704, 0.4688, 0.4333.

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

53.8704, 0.4688, 0.4333

Protanopia

54.1993, 0.4213, 0.4644

Deuteranopia

53.6835, 0.4555, 0.4449



Tritanopia

53.7632, 0.3796, 0.3176

Trichromacy



Original Color

53.8704, 0.4688, 0.4333

Protanomaly

53.7894, 0.4387, 0.4524

Deuteranomaly

53.5889, 0.4601, 0.4405

Tritanomaly

53.3962, 0.4182, 0.3659

Monochromacy



Original Color

53.8704, 0.4688, 0.4333

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.8577, 0.3711, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8704, 0.4688, 0.4333 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, 179, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 64)  
}
```

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, 179, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 64) }
```

Border

The CSS property to change the border of an element to Yxy 53.8704, 0.4688, 0.4333 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, 179, 64) }
```

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

```
.border{ border-color:rgb(255, 179, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 179, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8704, 0.4688, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 64) }
```

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

```
.background{ background-color: rgb(255,  
179, 64) }
```

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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