

Converting Colors

$Y_{xy}(33.8244, 0.5343, 0.3666)$

Have a look what the booklet for
Yxy(33.8244, 0.5343, 0.3666)
contains.

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Color

Yxy(33.2417, 0.5318, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	FF7042
RGB	255, 112, 66
RGB Percent	100%, 44%, 26%
CMY	0.0000, 0.5608, 0.7412
CMYK	0.00, 0.56, 0.74, 0.00
HSL	15°, 100%, 63%
HSV	15°, 74%, 100%
XYZ	48.0248, 33.2417, 9.0396
YIQ	149.5130, 99.9940, 16.0100

Conversions

Conversions Part 2

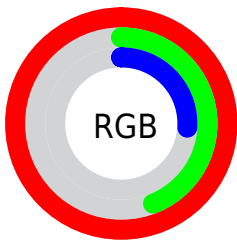
Format	Color
R_{YB}	255, 127, 66
Decimal	16740418
CIE Lab	64.36, 51.88, 51.30
CIE LCh	64, 72.956, 44.677
Yxy	33.2417, 0.5318, 0.3681
Android (android.graphics.Color)	4294930498 (0xFFFF7042)
YUV	149.5130, -41.1719, 92.5121
Hunter-Lab	57.6556, 47.7860, 31.0630

Details

The Yxy color **33.2417, 0.5318, 0.3681** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **53.9877, 0.2157, 0.2701**, and the grayscale version is **30.4239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1584, 0.4426, 0.3814**, and **14.0400, 0.5898, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **29.1911, 0.5690, 0.3649**, and if you desaturate by 10%, it is **38.3325, 0.4917, 0.3674**.

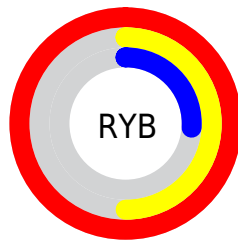
Distribution



Red (100%)

Green (44%)

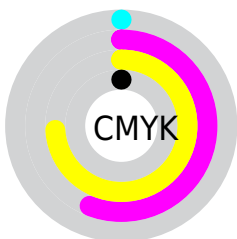
Blue (26%)



Red (100%)

Yellow (50%)

Blue (26%)

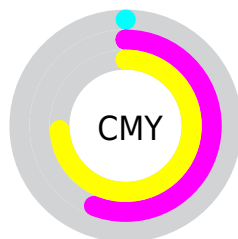


Cyan (0%)

Magenta (56%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2417, 0.5318, 0.3681 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 33.2417, 0.5318, 0.3681 by changing the saturation by 10% instead.


 33.2417, 0.5318,
0.3681


 33.2417, 0.5318,
0.3681


316.7374, 0.4198,
0.3599

 22.3117, 0.5580,
0.3655


 64.7527, 0.4919,
0.3684


 14.0861, 0.5895,
0.3595


 86.1025, 0.4765,
0.3675


 8.1806, 0.6287,
0.3477


 111.6942, 0.4635,
0.3664

 4.2107, 0.6753,
0.3247

 141.9125, 0.4522,
0.3651

 1.7921, 0.7213,
0.2787

 177.1415, 0.4425,
0.3637

 0.4823, 0.8110,
0.1890

217.7657, 0.4340,

 0.0000, 1.0000,

0.3624

0.0000

264.1696, 0.4265,
0.3611

■ 0.0000, 0.0000,
0.0000

■ 33.2417, 0.5318,
0.3681

■ 33.2417, 0.5318,
0.3681

■ 29.1911, 0.5690,
0.3649

■ 38.3325, 0.4917,
0.3674

■ 26.1116, 0.5988,
0.3575

■ 44.5420, 0.4527,
0.3636

■ 24.7098, 0.6122,
0.3521

■ 51.9303, 0.4171,
0.3580

■ 60.5555, 0.3861,
0.3514

■ 70.4718, 0.3598,
0.3445

 81.7302, 0.3377,
0.3378

 94.3788, 0.3193,
0.3315

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.



33.2417, 0.4925, 0.2970



33.2417, 0.5318, 0.3681



33.2417, 0.4974, 0.4448

Triad

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



33.2417, 0.5318, 0.3681



33.2417, 0.2211, 0.4597



33.2417, 0.1897, 0.1708

Complementary

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



33.2417, 0.5318, 0.3681



53.9877, 0.2157, 0.2701

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.



33.2417, 0.1447, 0.1807



33.2417, 0.5318, 0.3681



33.2417, 0.1565, 0.3262

Square

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



33.2417, 0.5318, 0.3681



33.2417, 0.3169, 0.5393



33.2417, 0.1332, 0.2280



33.2417, 0.2732, 0.1899

Rectangle

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



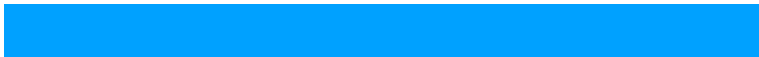
33.2417, 0.5318, 0.3681



33.2417, 0.4469, 0.4953



33.2417, 0.1332, 0.2280



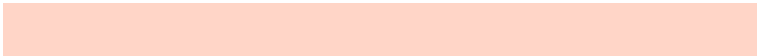
33.2417, 0.1707, 0.1706

Sweetspot

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



33.2387, 0.5318, 0.3681



72.7409, 0.3548, 0.3431



29.8550, 0.3681, 0.2001



14.9496, 0.3612, 0.3450



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.



33.2387, 0.5318, 0.3681



27.5715, 0.5847, 0.3618



65.1253, 0.4459, 0.4540



18.7046, 0.3288, 0.3349



13.1045, 0.6095, 0.3543



1.4379, 0.5879, 0.3714

Inverse Universe

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



53.9877, 0.2157, 0.2701



48.6758, 0.2062, 0.2565



20.9621, 0.1836, 0.1448



19.6885, 0.2980, 0.3231



23.9376, 0.2023, 0.2481



2.5009, 0.2051, 0.2584

Previews

White Background



This preview shows how the Yxy color 33.2417, 0.5318, 0.3681 looks on a white background.

Color Contrast Check

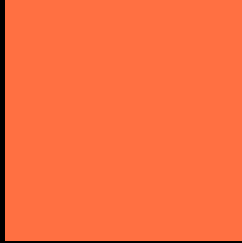
Large Text (above 18pt) WCAG AA × Fail

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 33.2417, 0.5318, 0.3681 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 33.2417, 0.5318, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 33.2417, 0.5318, 0.3681.



This preview shows how white text looks on a background with the Yxy color 33.2417, 0.5318, 0.3681.

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

33.2417, 0.5318, 0.3681

Protanopia

33.5774, 0.4004, 0.4374

Deuteranopia

33.3924, 0.4478, 0.4399



Tritanopia

33.2229, 0.4828, 0.3228

Trichromacy



Original Color

33.2417, 0.5318, 0.3681

Protanomaly

32.2543, 0.4501, 0.4099

Deuteranomaly

32.6863, 0.4810, 0.4112

Tritanomaly

33.0603, 0.5036, 0.3407

Monochromacy



Original Color

33.2417, 0.5318, 0.3681

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6316, 0.3916, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2417, 0.5318, 0.3681 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, 112, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 66)  
}
```

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, 112, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 66) }
```

Border

The CSS property to change the border of an element to Yxy 33.2417, 0.5318, 0.3681 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, 112, 66) }
```

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

```
.border{ border-color:rgb(255, 112, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 112, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2417, 0.5318, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 66) }
```

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

```
.background{ background-color: rgb(255,  
112, 66) }
```

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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