

Converting Colors

$Y_{xy}(33.0586, 0.5301, 0.3651)$

Have a look what the booklet for
Yxy(33.0586, 0.5301, 0.3651)
contains.

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Color

Yxy(33.0586, 0.5301, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F45
RGB	255, 111, 69
RGB Percent	100%, 44%, 27%
CMY	0.0000, 0.5647, 0.7292
CMYK	0.00, 0.56, 0.73, 0.00
HSL	14°, 100%, 64%
HSV	14°, 73%, 100%
XYZ	47.9988, 33.0586, 9.4893
YIQ	149.2680, 99.3060, 17.4660

Conversions

Conversions Part 2

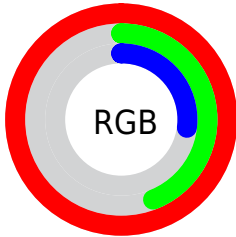
Format	Color
R _Y B	255, 123, 69
Decimal	16740165
CIE Lab	64.21, 52.44, 49.62
CIE LCh	64, 72.196, 43.414
Yxy	33.0586, 0.5301, 0.3651
Android (android.graphics.Color)	4294930245 (0xFFFF6F45)
YUV	149.2680, -39.5721, 92.7270
Hunter-Lab	57.4966, 48.3947, 30.4623

Details

The Yxy color **33.0586, 0.5301, 0.3651** 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 **56.0932, 0.2177, 0.2756**, and the grayscale version is **30.3161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8643, 0.4407, 0.3775**, and **13.9552, 0.5886, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **28.9651, 0.5685, 0.3623**, and if you desaturate by 10%, it is **38.2441, 0.4892, 0.3642**.

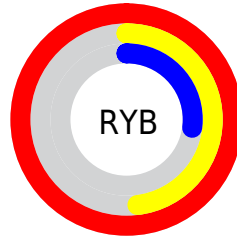
Distribution



Red (100%)

Green (44%)

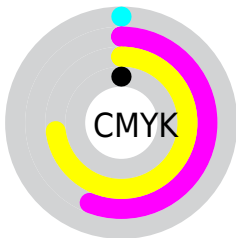
Blue (27%)



Red (100%)

Yellow (48%)

Blue (27%)

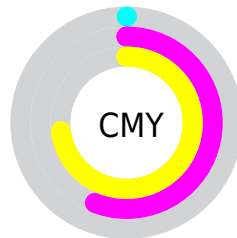


Cyan (0%)

Magenta (56%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (56%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0586, 0.5301, 0.3651 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 33.0586, 0.5301, 0.3651 by changing the saturation by 10% instead.


 33.0586, 0.5301,
0.3651


 33.0586, 0.5301,
0.3651


315.9137, 0.4185,
0.3579


 22.1713, 0.5564,
0.3625


 64.4670, 0.4901,
0.3657

 13.9829, 0.5884,
0.3564


 85.7569, 0.4748,
0.3649

 8.1087, 0.6277,
0.3445


 111.2832, 0.4618,
0.3639

 4.1646, 0.6775,
0.3225

 141.4303, 0.4507,
0.3627

 1.7661, 0.7240,
0.2760

 176.5824, 0.4410,
0.3615

 0.4659, 0.8160,
0.1840

217.1241, 0.4325,

 0.0000, 1.0000,

0.3602

0.0000

263.4398, 0.4251,
0.3591

■ 0.0000, 0.0000,
0.0000

■ 33.0586, 0.5301,
0.3651

■ 33.0586, 0.5301,
0.3651

■ 28.9651, 0.5685,
0.3623

■ 38.2441, 0.4892,
0.3642

■ 25.8757, 0.5995,
0.3555


■ 44.5892, 0.4497,
0.3606

■ 24.2392, 0.6157,
0.3493

■ 52.1622, 0.4141,
0.3552

■ 61.0245, 0.3833,
0.3491

■ 71.2330, 0.3572,
0.3427

 82.8415, 0.3354,
0.3365

 95.9006, 0.3174,
0.3306

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



33.0586, 0.4876, 0.2946



33.0586, 0.5301, 0.3651



33.0586, 0.4989, 0.4412

Triad

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



33.0586, 0.5301, 0.3651



33.0586, 0.2255, 0.4635



33.0586, 0.1880, 0.1716

Complementary

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



33.0586, 0.5301, 0.3651



56.0932, 0.2177, 0.2756

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.



33.0586, 0.1446, 0.1829



33.0586, 0.5301, 0.3651



33.0586, 0.1595, 0.3316

Square

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



33.0586, 0.5301, 0.3651



33.0586, 0.3215, 0.5383



33.0586, 0.1346, 0.2319



33.0586, 0.2693, 0.1895

Rectangle

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



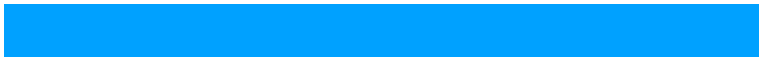
33.0586, 0.5301, 0.3651



33.0586, 0.4498, 0.4914



33.0586, 0.1346, 0.2319



33.0586, 0.1695, 0.1719

Sweetspot

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



33.0604, 0.5301, 0.3651



72.2458, 0.3550, 0.3421



30.4128, 0.3633, 0.1987



14.8344, 0.3615, 0.3438



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.



33.0604, 0.5301, 0.3651



27.2770, 0.5855, 0.3593



64.0765, 0.4465, 0.4505



18.6518, 0.3289, 0.3344



12.8480, 0.6131, 0.3514



1.4062, 0.5919, 0.3682

Inverse Universe

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



56.0932, 0.2177, 0.2756



50.8635, 0.2082, 0.2629



22.3407, 0.1863, 0.1517



19.7452, 0.2980, 0.3235



24.9817, 0.2040, 0.2543



2.5946, 0.2066, 0.2638

Previews

White Background



This preview shows how the Yxy color 33.0586, 0.5301, 0.3651 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 33.0586, 0.5301, 0.3651 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 33.0586, 0.5301, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 33.0586, 0.5301, 0.3651.



This preview shows how white text looks on a background with the Yxy color 33.0586, 0.5301, 0.3651.

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

33.0586, 0.5301, 0.3651

Protanopia

33.1721, 0.3976, 0.4330

Deuteranopia

32.9754, 0.4458, 0.4368



Tritanopia

32.9903, 0.4847, 0.3228

Trichromacy



Original Color

33.0586, 0.5301, 0.3651

Protanomaly

31.8628, 0.4474, 0.4060

Deuteranomaly

32.2858, 0.4789, 0.4081

Tritanomaly

32.8670, 0.5032, 0.3388

Monochromacy



Original Color

33.0586, 0.5301, 0.3651

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.3754, 0.3910, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0586, 0.5301, 0.3651 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, 111, 69)` looks like.

```
.text, #text, p{  
  color:rgb(255, 111, 69)  
}
```

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, 111, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 69) }
```

Border

The CSS property to change the border of an element to Yxy 33.0586, 0.5301, 0.3651 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, 111, 69) }
```

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

```
.border{ border-color:rgb(255, 111, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0586, 0.5301, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 69) }
```

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

```
.background{ background-color: rgb(255,  
111, 69) }
```

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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