

Converting Colors

$Y_{xy}(33.6028, 0.5494, 0.3876)$

Have a look what the booklet for
Yxy(33.6028, 0.5494, 0.3876)
contains.

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Color

Yxy(33.6370, 0.5491, 0.3876)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF7322 |
| RGB | 255, 115, 34 |
| RGB Percent | 100%, 45%, 13% |
| CMY | 0.0001, 0.5489, 0.8667 |
| CMYK | 0.00, 0.55, 0.87, 0.00 |
| HSL | 22°, 100%, 57% |
| HSV | 22°, 87%, 100% |
| XYZ | 47.6524, 33.6370, 5.4933 |
| YIQ | 147.6260, 109.4410, 4.4890 |

Conversions

Conversions Part 2

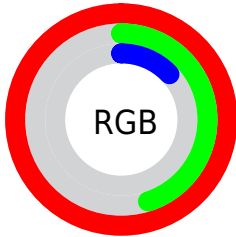
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 162, 34 |
| Decimal | 16741154 |
| CIE Lab | 64.67, 49.48, 65.19 |
| CIE LCh | 65, 81.841, 52.802 |
| Yxy | 33.6370, 0.5491, 0.3876 |
| Android (android.graphics.Color) | 4294931234 (0xFFFF7322) |
| YUV | 147.6260, -56.0176, 94.1670 |
| Hunter-Lab | 57.9974, 45.1655, 34.9824 |

Details

The Yxy color **33.6370, 0.5491, 0.3876** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **37.8042, 0.1970, 0.2201**, and the grayscale version is **29.6572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7140, 0.4624, 0.4087**, and **14.2846, 0.5912, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **30.1753, 0.5747, 0.3793**, and if you desaturate by 10%, it is **37.8561, 0.5178, 0.3907**.

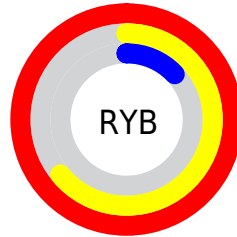
Distribution



Red (100%)

Green (45%)

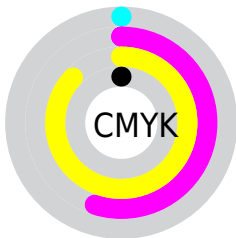
Blue (13%)



Red (100%)

Yellow (64%)

Blue (13%)

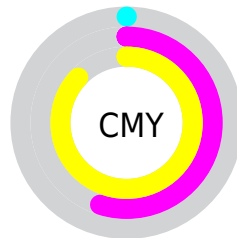


Cyan (0%)

Magenta (55%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6370, 0.5491, 0.3876 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 33.6370, 0.5491, 0.3876 by changing the saturation by 10% instead.


 33.6370, 0.5491,
0.3876


 33.6370, 0.5491,
0.3876


318.5104, 0.4329,
0.3747


 22.6149, 0.5737,
0.3843


 65.3688, 0.5095,
0.3877


 14.3094, 0.6018,
0.3765


 86.8472, 0.4937,
0.3863

 8.3362, 0.6369,
0.3631


 112.5799, 0.4800,
0.3845

 4.3108, 0.6671,
0.3329

 142.9512, 0.4680,
0.3825

 1.8489, 0.7115,
0.2885

 178.3455, 0.4576,
0.3805

 0.5174, 0.7964,
0.2036

 219.1472, 0.4484,

 0.0000, 1.0000,


0.3785


0.0000


265.7407, 0.4402,
0.3765

 0.0000, 0.0000,
0.0000


 33.6370, 0.5491,
0.3876


 33.6370, 0.5491,
0.3876


 30.1753, 0.5747,
0.3793


 37.8561, 0.5178,
0.3907


 29.1729, 0.5823,
0.3759

 42.8790, 0.4838,
0.3888

 48.7532, 0.4498,
0.3830

 55.5203, 0.4179,
0.3747

 63.2187, 0.3891,
0.3650

 71.8843, 0.3639,
0.3548

 81.5509, 0.3421,
0.3447

 92.2508, 0.3235,
0.3351

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



33.6370, 0.5330, 0.3111



33.6370, 0.5491, 0.3876



33.6370, 0.4902, 0.4727

Triad

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



33.6370, 0.5491, 0.3876



33.6370, 0.1866, 0.4360



33.6370, 0.1982, 0.1605

Complementary

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



33.6370, 0.5491, 0.3876



37.8042, 0.1970, 0.2201

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.



33.6370, 0.1403, 0.1614



33.6370, 0.5491, 0.3876



33.6370, 0.1314, 0.2880

Square

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



33.6370, 0.5491, 0.3876



33.6370, 0.2831, 0.5552



33.6370, 0.1188, 0.1981



33.6370, 0.3000, 0.1885

Rectangle

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



33.6370, 0.5491, 0.3876



33.6370, 0.4274, 0.5281



33.6370, 0.1188, 0.1981



33.6370, 0.1743, 0.1575

Sweetspot

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



33.6389, 0.5491, 0.3876



72.5167, 0.3623, 0.3541



25.4524, 0.4218, 0.2171



14.8501, 0.3706, 0.3577



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.



33.6389, 0.5491, 0.3876



29.1795, 0.5823, 0.3759



75.4966, 0.4381, 0.4823



19.0778, 0.3285, 0.3378



15.5063, 0.5793, 0.3782



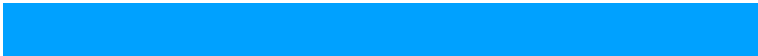
1.7096, 0.5578, 0.3953

Inverse Universe

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



37.8042, 0.1970, 0.2201



32.8793, 0.1893, 0.2016



11.1637, 0.1611, 0.0877



19.2956, 0.2979, 0.3201



17.4749, 0.1900, 0.2039



1.9100, 0.1944, 0.2197

Previews

White Background



This preview shows how the Yxy color 33.6370, 0.5491, 0.3876 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 33.6370, 0.5491, 0.3876 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 33.6370, 0.5491, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 33.6370, 0.5491, 0.3876.



This preview shows how white text looks on a background with the Yxy color 33.6370, 0.5491, 0.3876.

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

33.6370, 0.5491, 0.3876

Protanopia

33.8733, 0.4257, 0.4712

Deuteranopia

33.6458, 0.4717, 0.4624



Tritanopia

33.6728, 0.4803, 0.3237

Trichromacy



Original Color

33.6370, 0.5491, 0.3876

Protanomaly

32.4852, 0.4748, 0.4375

Deuteranomaly

32.9859, 0.5030, 0.4338

Tritanomaly

33.5202, 0.5131, 0.3531

Monochromacy



Original Color

33.6370, 0.5491, 0.3876

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.2347, 0.4042, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6370, 0.5491, 0.3876 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, 115, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 34)  
}
```

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, 115, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 34) }
```

Border

The CSS property to change the border of an element to Yxy 33.6370, 0.5491, 0.3876 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, 115, 34) }
```

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

```
.border{ border-color:rgb(255, 115, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6370, 0.5491, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 34) }
```

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

```
.background{ background-color: rgb(255,  
115, 34) }
```

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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