

Converting Colors

$Y_{xy}(33.4223, 0.5515, 0.3879)$

Have a look what the booklet for
Yxy(33.4223, 0.5515, 0.3879)
contains.

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Color

Yxy(33.3936, 0.5515, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	FF721F
RGB	255, 114, 31
RGB Percent	100%, 45%, 12%
CMY	0.0000, 0.5529, 0.8785
CMYK	0.00, 0.55, 0.88, 0.00
HSL	22°, 100%, 56%
HSV	22°, 88%, 100%
XYZ	47.5021, 33.3936, 5.2369
YIQ	146.6970, 110.6790, 4.0790

Conversions

Conversions Part 2

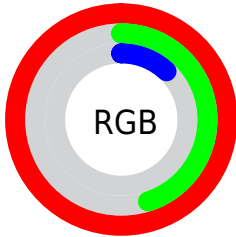
Format	Color
R_{YB}	255, 163, 31
Decimal	16740895
CIE Lab	64.48, 49.90, 66.02
CIE LCh	64, 82.759, 52.917
Yxy	33.3936, 0.5515, 0.3877
Android (android.graphics.Color)	4294930975 (0xFFFF721F)
YUV	146.6970, -57.0386, 94.9817
Hunter-Lab	57.7872, 45.6026, 35.0780

Details

The Yxy color **33.3936, 0.5515, 0.3877** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **36.9989, 0.1958, 0.2172**, and the grayscale version is **29.2533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3078, 0.4646, 0.4093**, and **14.1789, 0.5926, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **29.9999, 0.5763, 0.3789**, and if you desaturate by 10%, it is **37.5308, 0.5209, 0.3914**.

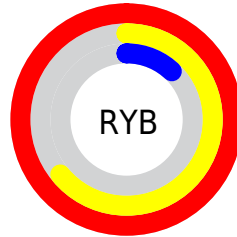
Distribution



Red (100%)

Green (45%)

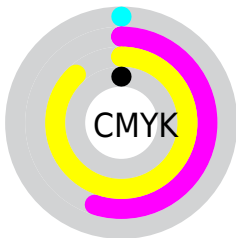
Blue (12%)



Red (100%)

Yellow (64%)

Blue (12%)

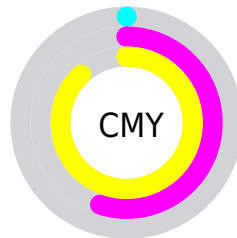


Cyan (0%)

Magenta (55%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3936, 0.5515, 0.3877 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 33.3936, 0.5515, 0.3877 by changing the saturation by 10% instead.


 33.3936, 0.5515,
0.3877


 33.3936, 0.5515,
0.3877


317.4196, 0.4343,
0.3752

 22.4281, 0.5761,
0.3841


 64.9896, 0.5117,
0.3881


 14.1718, 0.6043,
0.3759


 86.3888, 0.4957,
0.3868

 8.2403, 0.6385,
0.3615


 112.0348, 0.4819,
0.3850

 4.2491, 0.6690,
0.3310

 142.3120, 0.4699,
0.3831

 1.8138, 0.7140,
0.2860

 177.6046, 0.4593,
0.3810

 0.4958, 0.8018,
0.1982

 218.2972, 0.4500,

 0.0000, 1.0000,

0.3790

0.0000

264.7740, 0.4417,
0.3771

■ 0.0000, 0.0000,
0.0000

■ 33.3936, 0.5515,
0.3877

■ 33.3936, 0.5515,
0.3877

■ 29.9999, 0.5763,
0.3789

■ 37.5308, 0.5209,
0.3914

■ 29.3562, 0.5812,
0.3767

■ 42.4592, 0.4872,
0.3899

■ 48.2264, 0.4533,
0.3844

■ 54.8737, 0.4212,
0.3763

■ 62.4395, 0.3922,
0.3666

70.9594, 0.3666,
0.3563

80.4670, 0.3445,
0.3461

90.9942, 0.3256,
0.3363

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



33.3936, 0.5361, 0.3108



33.3936, 0.5515, 0.3877



33.3936, 0.4912, 0.4737

Triad

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



33.3936, 0.5515, 0.3877



33.3936, 0.1847, 0.4370



33.3936, 0.1972, 0.1590

Complementary

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



33.3936, 0.5515, 0.3877



36.9989, 0.1958, 0.2172

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.



33.3936, 0.1388, 0.1597



33.3936, 0.5515, 0.3877



33.3936, 0.1294, 0.2866

Square

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



33.3936, 0.5515, 0.3877



33.3936, 0.2818, 0.5585



33.3936, 0.1170, 0.1962



33.3936, 0.3002, 0.1873

Rectangle

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



33.3936, 0.5515, 0.3877



33.3936, 0.4275, 0.5301



33.3936, 0.1170, 0.1962



33.3936, 0.1731, 0.1558

Sweetspot

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



33.3955, 0.5515, 0.3877



72.6485, 0.3622, 0.3544



25.2488, 0.4237, 0.2172



14.8809, 0.3705, 0.3580



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.



33.3955, 0.5515, 0.3877



29.3586, 0.5812, 0.3767



75.2739, 0.4389, 0.4827



19.0898, 0.3285, 0.3379



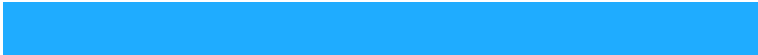
15.6015, 0.5782, 0.3791



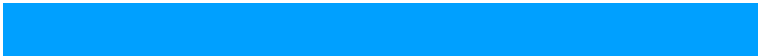
1.7198, 0.5568, 0.3961

Inverse Universe

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



36.9989, 0.1958, 0.2172



32.5276, 0.1889, 0.2002



10.8320, 0.1600, 0.0855



19.2832, 0.2979, 0.3200



17.2919, 0.1896, 0.2025



1.8930, 0.1940, 0.2185

Previews

White Background



This preview shows how the Yxy color 33.3936, 0.5515, 0.3877 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 33.3936, 0.5515, 0.3877 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 33.3936, 0.5515, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 33.3936, 0.5515, 0.3877.



This preview shows how white text looks on a background with the Yxy color 33.3936, 0.5515, 0.3877.

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

33.3936, 0.5515, 0.3877

Protanopia

33.5112, 0.4282, 0.4723

Deuteranopia

33.5007, 0.4714, 0.4639



Tritanopia

33.4351, 0.4822, 0.3237

Trichromacy



Original Color

33.3936, 0.5515, 0.3877

Protanomaly

32.1688, 0.4774, 0.4382

Deuteranomaly

32.6925, 0.5051, 0.4336

Tritanomaly

33.2690, 0.5160, 0.3538

Monochromacy



Original Color

33.3936, 0.5515, 0.3877

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.7870, 0.4059, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3936, 0.5515, 0.3877 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, 114, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 31)  
}
```

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, 114, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 31) }
```

Border

The CSS property to change the border of an element to Yxy 33.3936, 0.5515, 0.3877 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, 114, 31) }
```

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

```
.border{ border-color:rgb(255, 114, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3936, 0.5515, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 31) }
```

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

```
.background{ background-color: rgb(255,  
114, 31) }
```

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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