

Converting Colors

Yxy(33.8109, 0.5207, 0.3625)

Have a look what the booklet for
Yxy(33.8109, 0.5207, 0.3625)
contains.

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Color

Yxy(33.8164, 0.5211, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	FF724C
RGB	255, 114, 76
RGB Percent	100%, 45%, 30%
CMY	0.0001, 0.5529, 0.7019
CMYK	0.00, 0.55, 0.70, 0.00
HSL	13°, 100%, 65%
HSV	13°, 70%, 100%
XYZ	48.5581, 33.8164, 10.8093
YIQ	151.8270, 96.2340, 18.0740

Conversions

Conversions Part 2

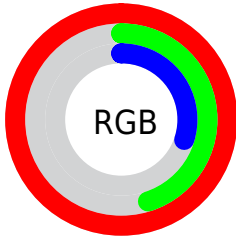
Format	Color
R_{YB}	255, 124, 76
Decimal	16740940
CIE Lab	64.82, 51.36, 46.73
CIE LCh	65, 69.440, 42.298
Yxy	33.8164, 0.5211, 0.3629
Android (android.graphics.Color)	4294931020 (0xFFFF724C)
YUV	151.8270, -37.3827, 90.4827
Hunter-Lab	58.1519, 47.2856, 29.6854

Details

The Yxy color **33.8164, 0.5211, 0.3629** 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 **58.3746, 0.2207, 0.2811**, and the grayscale version is **31.4578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1423, 0.4326, 0.3738**, and **14.4182, 0.5795, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **29.4858, 0.5611, 0.3611**, and if you desaturate by 10%, it is **39.2860, 0.4797, 0.3614**.

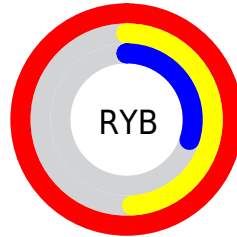
Distribution



Red (100%)

Green (45%)

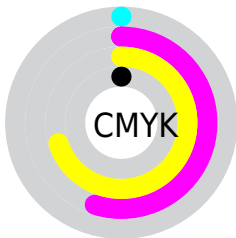
Blue (30%)



Red (100%)

Yellow (49%)

Blue (30%)

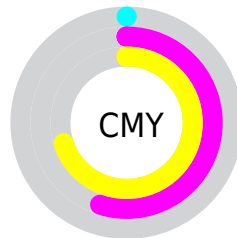


Cyan (0%)

Magenta (55%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8164, 0.5211, 0.3629 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 33.8164, 0.5211, 0.3629 by changing the saturation by 10% instead.


 33.8164, 0.5211,
0.3629


 33.8164, 0.5211,
0.3629


319.3126, 0.4138,
0.3556


 22.7526, 0.5468,
0.3608


 65.6481, 0.4825,
0.3630


 14.4109, 0.5783,
0.3557


 87.1847, 0.4677,
0.3622


 8.4070, 0.6169,
0.3450


 112.9810, 0.4553,
0.3612

 4.3565, 0.6721,
0.3279

 143.4215, 0.4445,
0.3601

 1.8749, 0.7171,
0.2829

 178.8905, 0.4353,
0.3589

 0.5332, 0.8002,
0.1998

219.7725, 0.4272,

 0.0000, 1.0000,

0.3578

0.0000

266.4517, 0.4201,
0.3567

■ 0.0000, 0.0000,
0.0000

■ 33.8164, 0.5211,
0.3629

■ 33.8164, 0.5211,
0.3629

■ 29.4858, 0.5611,
0.3611

■ 39.2860, 0.4797,
0.3614

■ 26.2050, 0.5948,
0.3555

■ 45.9635, 0.4406,
0.3574

■ 23.9082, 0.6182,
0.3473

■ 53.9189, 0.4058,
0.3522

■ 63.2151, 0.3760,
0.3463

■ 73.9108, 0.3510,
0.3403

 86.0609, 0.3302,
0.3345

99.7178, 0.3130,
0.3291

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



33.8164, 0.4770, 0.2942



33.8164, 0.5211, 0.3629



33.8164, 0.4948, 0.4363

Triad

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



33.8164, 0.5211, 0.3629



33.8164, 0.2328, 0.4608



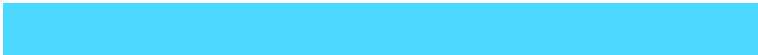
33.8164, 0.1904, 0.1768

Complementary

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



33.8164, 0.5211, 0.3629



58.3746, 0.2207, 0.2811

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.



33.8164, 0.1492, 0.1894



33.8164, 0.5211, 0.3629



33.8164, 0.1671, 0.3367

Square

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



33.8164, 0.5211, 0.3629



33.8164, 0.3263, 0.5288



33.8164, 0.1408, 0.2391



33.8164, 0.2678, 0.1931

Rectangle

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



33.8164, 0.5211, 0.3629



33.8164, 0.4492, 0.4841



33.8164, 0.1408, 0.2391



33.8164, 0.1728, 0.1775

Sweetspot

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



33.8183, 0.5211, 0.3629



72.9963, 0.3528, 0.3407



31.5534, 0.3574, 0.1992



14.9683, 0.3594, 0.3424



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.



33.8183, 0.5211, 0.3629



28.1191, 0.5750, 0.3594



63.6901, 0.4441, 0.4455



18.6119, 0.3289, 0.3341



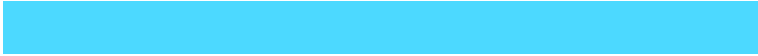
12.6676, 0.6157, 0.3493



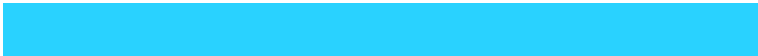
1.3834, 0.5948, 0.3659

Inverse Universe

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



58.3746, 0.2207, 0.2811



53.5438, 0.2114, 0.2702



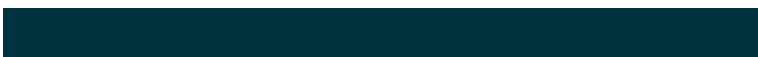
24.6449, 0.1913, 0.1627



19.7881, 0.2980, 0.3238



25.7910, 0.2053, 0.2590



2.6669, 0.2078, 0.2679

Previews

White Background



This preview shows how the Yxy color 33.8164, 0.5211, 0.3629 looks on a white background.

Color Contrast Check

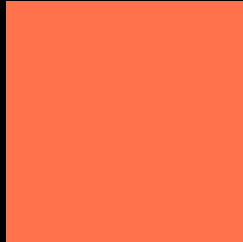
Large Text (above 18pt) WCAG AA × Fail

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 33.8164, 0.5211, 0.3629 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 33.8164, 0.5211, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 33.8164, 0.5211, 0.3629.



This preview shows how white text looks on a background with the Yxy color 33.8164, 0.5211, 0.3629.

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

33.8164, 0.5211, 0.3629

Protanopia

34.0933, 0.3906, 0.4247

Deuteranopia

33.8321, 0.4391, 0.4311



Tritanopia

33.9132, 0.4785, 0.3237

Trichromacy



Original Color

33.8164, 0.5211, 0.3629

Protanomaly

32.7144, 0.4392, 0.3994

Deuteranomaly

33.0980, 0.4713, 0.4031

Tritanomaly

33.8077, 0.4957, 0.3390

Monochromacy



Original Color

33.8164, 0.5211, 0.3629

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4510, 0.3860, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8164, 0.5211, 0.3629 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.8164, 0.5211, 0.3629 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, 76) }
```

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

```
.border{ border-color:rgb(255, 114, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8164, 0.5211, 0.3629 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, 76) }
```

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

```
.background{ background-color: rgb(255,  
114, 76) }
```

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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