

Converting Colors

$Y_{xy}(31.8387, 0.5334, 0.3579)$

Have a look what the booklet for
Yxy(31.8387, 0.5334, 0.3579)
contains.

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Color

Yxy(31.8181, 0.5338, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	FF6947
RGB	255, 105, 71
RGB Percent	100%, 41%, 28%
CMY	0.0000, 0.5882, 0.7215
CMYK	0.00, 0.59, 0.72, 0.00
HSL	11°, 100%, 64%
HSV	11°, 72%, 100%
XYZ	47.4295, 31.8181, 9.6050
YIQ	145.9740, 100.3140, 21.2260

Conversions

Conversions Part 2

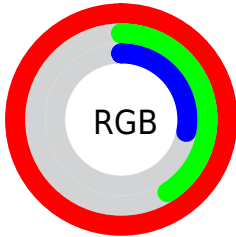
Format	Color
RYB	255, 113, 71
Decimal	16738631
CIELab	63.19, 55.24, 47.51
CIELCh	63, 72.861, 40.695
Yxy	31.8181, 0.5338, 0.3581
Android (android.graphics.Color)	4294928711 (0xFFFF6947)
YUV	145.9740, -36.9622, 95.6158
Hunter-Lab	56.4075, 51.3761, 29.3895

Details

The Yxy color **31.8181, 0.5338, 0.3581** 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 **60.2759, 0.2209, 0.2862**, and the grayscale version is **28.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1302, 0.4421, 0.3705**, and **13.2562, 0.5946, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **27.8282, 0.5737, 0.3555**, and if you desaturate by 10%, it is **36.9837, 0.4912, 0.3575**.

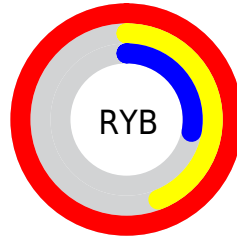
Distribution



Red (100%)

Green (41%)

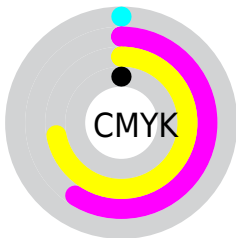
Blue (28%)



Red (100%)

Yellow (44%)

Blue (28%)

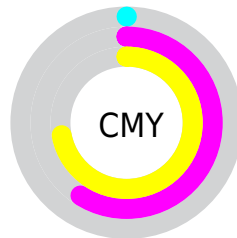


Cyan (0%)

Magenta (59%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8181, 0.5338, 0.3581 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 31.8181, 0.5338, 0.3581 by changing the saturation by 10% instead.


 31.8181, 0.5338,
0.3581


 31.8181, 0.5338,
0.3581


310.2898, 0.4193,
0.3544

 21.2226, 0.5612,
0.3546

 62.5258, 0.4925,
0.3599


 13.2868, 0.5947,
0.3475

 83.4068, 0.4768,
0.3596

 7.6263, 0.6361,
0.3341


 108.4851, 0.4635,
0.3589

 3.8568, 0.6895,
0.3105

 138.1451, 0.4520,
0.3581

 1.5938, 0.7391,
0.2609

 172.7712, 0.4422,
0.3572

 0.3534, 0.8496,
0.1504

212.7477, 0.4336,

 0.0000, 1.0000,

0.3562

0.0000

258.4591, 0.4260,
0.3553

■ 0.0000, 0.0000,
0.0000

■ 31.8181, 0.5338,
0.3581

■ 31.8181, 0.5338,
0.3581

■ 27.8282, 0.5737,
0.3555

■ 36.9837, 0.4912,
0.3575

■ 24.9135, 0.6056,
0.3495

■ 43.4040, 0.4503,
0.3546


■ 23.3023, 0.6230,
0.3435

■ 51.1571, 0.4137,
0.3502

■ 60.3132, 0.3822,
0.3451

■ 70.9374, 0.3559,
0.3398

 83.0908, 0.3341,
0.3348

 96.8309, 0.3161,
0.3300

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.



31.8181, 0.4837, 0.2874



31.8181, 0.5338, 0.3581



31.8181, 0.5072, 0.4349

Triad

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



31.8181, 0.5338, 0.3581



31.8181, 0.2313, 0.4780



31.8181, 0.1803, 0.1688

Complementary

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



31.8181, 0.5338, 0.3581



60.2759, 0.2209, 0.2862

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.



31.8181, 0.1396, 0.1830



31.8181, 0.5338, 0.3581



31.8181, 0.1609, 0.3431

Square

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



31.8181, 0.5338, 0.3581



31.8181, 0.3302, 0.5446



31.8181, 0.1324, 0.2366



31.8181, 0.2591, 0.1844

Rectangle

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



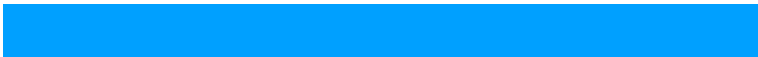
31.8181, 0.5338, 0.3581



31.8181, 0.4592, 0.4870



31.8181, 0.1324, 0.2366



31.8181, 0.1628, 0.1699

Sweetspot

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



31.8199, 0.5338, 0.3581



71.1101, 0.3555, 0.3398



31.0030, 0.3555, 0.1948



14.5707, 0.3621, 0.3412



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.



31.8199, 0.5338, 0.3581



26.2870, 0.5905, 0.3530



61.5285, 0.4501, 0.4447



18.5298, 0.3290, 0.3335



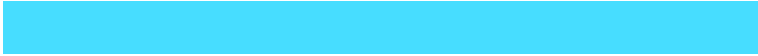
12.3308, 0.6207, 0.3454



1.3392, 0.6007, 0.3612

Inverse Universe

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



60.2759, 0.2209, 0.2862



55.6438, 0.2121, 0.2762



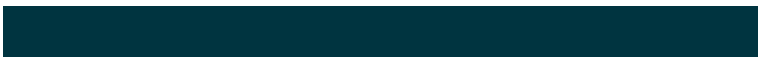
24.3334, 0.1894, 0.1615



19.8771, 0.2980, 0.3245



27.5205, 0.2080, 0.2686



2.8207, 0.2101, 0.2763

Previews

White Background



This preview shows how the Yxy color 31.8181, 0.5338, 0.3581 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 31.8181, 0.5338, 0.3581 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 31.8181, 0.5338, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 31.8181, 0.5338, 0.3581.



This preview shows how white text looks on a background with the Yxy color 31.8181, 0.5338, 0.3581.

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

31.8181, 0.5338, 0.3581

Protanopia

31.7954, 0.3919, 0.4258

Deuteranopia

31.9819, 0.4432, 0.4344



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.8181, 0.5338, 0.3581

Protanomaly

30.4818, 0.4461, 0.3987

Deuteranomaly

30.9104, 0.4796, 0.4028

Tritanomaly

31.7867, 0.5103, 0.3368

Monochromacy



Original Color

31.8181, 0.5338, 0.3581

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.0036, 0.3919, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8181, 0.5338, 0.3581 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, 105, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 71)  
}
```

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, 105, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 71) }
```

Border

The CSS property to change the border of an element to Yxy 31.8181, 0.5338, 0.3581 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, 105, 71) }
```

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

```
.border{ border-color:rgb(255, 105, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8181, 0.5338, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 71) }
```

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

```
.background{ background-color: rgb(255,  
105, 71) }
```

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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