

Converting Colors

$Y_{xy}(38.6259, 0.5510, 0.3500)$

Have a look what the booklet for
Yxy(38.6259, 0.5510, 0.3500)
contains.

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Color

Yxy(31.8712, 0.5300, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	FF694B
RGB	255, 105, 75
RGB Percent	100%, 41%, 29%
CMY	0.0001, 0.5881, 0.7059
CMYK	0.00, 0.59, 0.71, 0.00
HSL	10°, 100%, 65%
HSV	10°, 71%, 100%
XYZ	47.5556, 31.8712, 10.3007
YIQ	146.4300, 99.0300, 22.4700

Conversions

Conversions Part 2

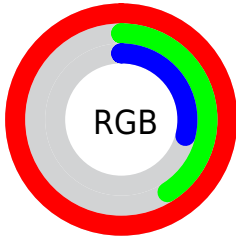
Format	Color
RYB	255, 111, 75
Decimal	16738635
CIELab	63.24, 55.40, 45.48
CIElCh	63, 71.682, 39.384
Yxy	31.8712, 0.5300, 0.3552
Android (android.graphics.Color)	4294928715 (0xFFFF694B)
YUV	146.4300, -35.2150, 95.2159
Hunter-Lab	56.4546, 51.5673, 28.7001

Details

The Yxy color **31.8712, 0.5300, 0.3552** 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 **62.5334, 0.2231, 0.2915**, and the grayscale version is **29.0513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2304, 0.4384, 0.3665**, and **13.2741, 0.5912, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **27.7894, 0.5712, 0.3531**, and if you desaturate by 10%, it is **37.1770, 0.4867, 0.3544**.

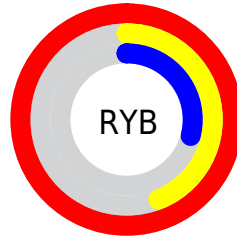
Distribution



Red (100%)

Green (41%)

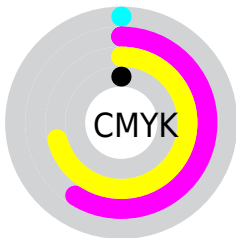
Blue (29%)



Red (100%)

Yellow (44%)

Blue (29%)

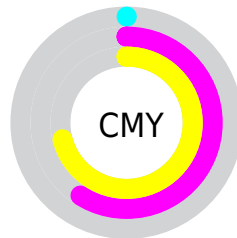


Cyan (0%)

Magenta (59%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8712, 0.5300, 0.3552 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 31.8712, 0.5300, 0.3552 by changing the saturation by 10% instead.


 31.8712, 0.5300,
0.3552

 31.8712, 0.5300,
0.3552


310.5321, 0.4170,
0.3523

 21.2631, 0.5573,
0.3518


 62.6091, 0.4891,
0.3571


 13.3165, 0.5910,
0.3450


 83.5078, 0.4736,
0.3569

 7.6468, 0.6324,
0.3318


 108.6054, 0.4604,
0.3563

 3.8698, 0.6898,
0.3102

 138.2864, 0.4492,
0.3556

 1.6010, 0.7393,
0.2607

 172.9352, 0.4395,
0.3548

 0.3583, 0.8489,
0.1511

212.9361, 0.4310,

 0.0000, 1.0000,

0.3539

0.0000

258.6736, 0.4236,
0.3531

■ 0.0000, 0.0000,
0.0000

■ 31.8712, 0.5300,
0.3552

■ 31.8712, 0.5300,
0.3552

■ 27.7894, 0.5712,
0.3531

■ 37.1770, 0.4867,
0.3544

■ 24.8265, 0.6047,
0.3479


■ 43.7900, 0.4456,
0.3515

■ 22.9510, 0.6258,
0.3413

■ 51.7921, 0.4092,
0.3475

■ 61.2569, 0.3782,
0.3428

■ 72.2527, 0.3524,
0.3381

 84.8436, 0.3311,
0.3335

99.0900, 0.3136,
0.3292

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



31.8712, 0.4770, 0.2854



31.8712, 0.5300, 0.3552



31.8712, 0.5072, 0.4309

Triad

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



31.8712, 0.5300, 0.3552



31.8712, 0.2367, 0.4800



31.8712, 0.1795, 0.1707

Complementary

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



31.8712, 0.5300, 0.3552



62.5334, 0.2231, 0.2915

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.



31.8712, 0.1407, 0.1864



31.8712, 0.5300, 0.3552



31.8712, 0.1653, 0.3488

Square

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



31.8712, 0.5300, 0.3552



31.8712, 0.3350, 0.5412



31.8712, 0.1351, 0.2417



31.8712, 0.2558, 0.1850

Rectangle

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



31.8712, 0.5300, 0.3552



31.8712, 0.4614, 0.4822



31.8712, 0.1351, 0.2417



31.8712, 0.1627, 0.1723

Sweetspot

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



31.8730, 0.5300, 0.3552



71.7825, 0.3533, 0.3383



31.7224, 0.3509, 0.1942



14.6847, 0.3600, 0.3396



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.



31.8730, 0.5300, 0.3552



26.3555, 0.5873, 0.3512



60.7865, 0.4496, 0.4407



18.4767, 0.3290, 0.3330



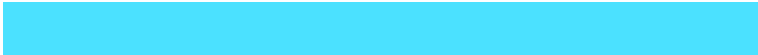
12.1373, 0.6236, 0.3431



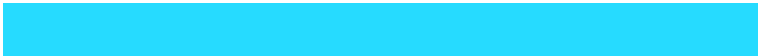
1.3128, 0.6043, 0.3584

Inverse Universe

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



62.5334, 0.2231, 0.2915



58.2106, 0.2144, 0.2828



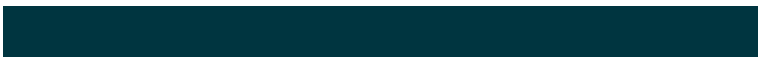
26.0391, 0.1926, 0.1694



19.9350, 0.2980, 0.3249



28.6840, 0.2097, 0.2748



2.9237, 0.2116, 0.2816

Previews

White Background



This preview shows how the Yxy color 31.8712, 0.5300, 0.3552 looks on a white background.

Color Contrast Check

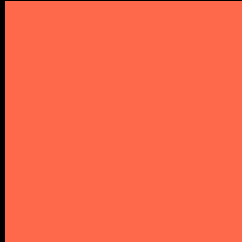
Large Text (above 18pt) WCAG AA × Fail

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 31.8712, 0.5300, 0.3552 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 31.8712, 0.5300, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 31.8712, 0.5300, 0.3552.



This preview shows how white text looks on a background with the Yxy color 31.8712, 0.5300, 0.3552.

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

31.8712, 0.5300, 0.3552

Protanopia

31.8626, 0.3883, 0.4204

Deuteranopia

31.8983, 0.4392, 0.4311



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.8712, 0.5300, 0.3552

Protanomaly

30.5436, 0.4422, 0.3942

Deuteranomaly

30.9584, 0.4762, 0.3993

Tritanomaly

31.8050, 0.5091, 0.3360

Monochromacy



Original Color

31.8712, 0.5300, 0.3552

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.0278, 0.3907, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8712, 0.5300, 0.3552 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 75) }
```

Border

The CSS property to change the border of an element to Yxy 31.8712, 0.5300, 0.3552 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, 75) }
```

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

```
.border{ border-color:rgb(255, 105, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8712, 0.5300, 0.3552 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, 75) }
```

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

```
.background{ background-color: rgb(255,  
105, 75) }
```

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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