

Converting Colors

$Y_{xy}(31.9687, 0.5379, 0.3755)$

Have a look what the booklet for
Yxy(31.9687, 0.5379, 0.3755)
contains.

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Color

Yxy(31.9687, 0.5379, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	FA6F37
RGB	250, 111, 55
RGB Percent	98%, 44%, 22%
CMY	0.0197, 0.5646, 0.7843
CMYK	0.00, 0.56, 0.78, 0.02
HSL	17°, 95%, 60%
HSV	17°, 78%, 98%
XYZ	45.7948, 31.9687, 7.3728
YIQ	146.1770, 100.8200, 12.0520

Conversions

Conversions Part 2

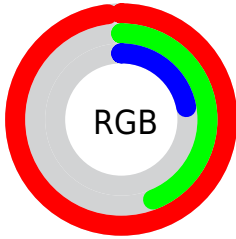
Format	Color
RYB	250, 134, 55
Decimal	16412471
CIELab	63.32, 50.10, 55.24
CIElCh	63, 74.569, 47.794
Yxy	31.9687, 0.5379, 0.3755
Android (android.graphics.Color)	4294602551 (0xFFFA6F37)
YUV	146.1770, -44.9503, 91.0528
Hunter-Lab	56.5409, 45.6282, 31.8473

Details

The Yxy color **31.9687, 0.5379, 0.3755** 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 **46.2877, 0.2097, 0.2547**, and the grayscale version is **28.9813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5730, 0.4518, 0.3896**, and **13.3654, 0.5947, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **28.2794, 0.5716, 0.3708**, and if you desaturate by 10%, it is **36.5584, 0.5003, 0.3756**.

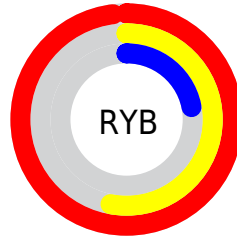
Distribution



Red (98%)

Green (44%)

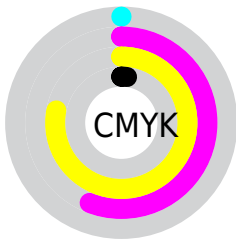
Blue (22%)



Red (98%)

Yellow (53%)

Blue (22%)

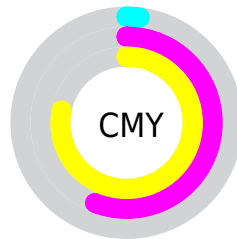


Cyan (0%)

Magenta (56%)

Yellow (78%)

Black (2%)



Cyan (2%)

Magenta (56%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9687, 0.5379, 0.3755 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 31.9687, 0.5379, 0.3755 by changing the saturation by 10% instead.


 31.9687, 0.5379,
0.3755


 31.9687, 0.5379,
0.3755


310.9766, 0.4233,
0.3649


 21.3376, 0.5641,
0.3728


 62.7620, 0.4974,
0.3755

 13.3710, 0.5952,
0.3661


 83.6930, 0.4817,
0.3743


 7.6845, 0.6374,
0.3555


 108.8261, 0.4683,
0.3728

 3.8937, 0.6740,
0.3260

 138.5457, 0.4567,
0.3712

 1.6143, 0.7213,
0.2787

 173.2361, 0.4467,
0.3696

 0.3672, 0.8308,
0.1692

 213.2818, 0.4379,

 0.0000, 1.0000,

0.3680

0.0000

259.0672, 0.4302,
0.3664

■ 0.0000, 0.0000,
0.0000

■ 31.9687, 0.5379,
0.3755

■ 31.9687, 0.5379,
0.3755

■ 28.2794, 0.5716,
0.3708

■ 36.5584, 0.5003,
0.3756

■ 25.4168, 0.5978,
0.3618

■ 42.1018, 0.4625,
0.3720

■ 24.9314, 0.6024,
0.3599


■ 48.6537, 0.4272,
0.3659


■ 56.2630, 0.3957,
0.3584

■ 64.9753, 0.3685,
0.3504

 74.8334, 0.3454,
0.3424

 85.8776, 0.3260,
0.3348

 98.1462, 0.3097,
0.3276

 99.0612, 0.3096,
0.3290

Harmonies

Analogous

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



31.9687, 0.5067, 0.3026



31.9687, 0.5379, 0.3755



31.9687, 0.4948, 0.4547

Triad

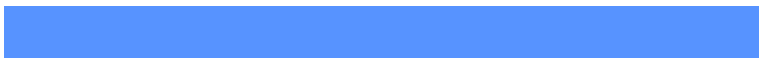
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.9687, 0.5379, 0.3755



31.9687, 0.2088, 0.4511



31.9687, 0.1932, 0.1675

Complementary

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



31.9687, 0.5379, 0.3755



46.2877, 0.2097, 0.2547

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.



31.9687, 0.1435, 0.1740



31.9687, 0.5379, 0.3755



31.9687, 0.1477, 0.3123

Square

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



31.9687, 0.5379, 0.3755



31.9687, 0.3049, 0.5443



31.9687, 0.1284, 0.2172



31.9687, 0.2828, 0.1899

Rectangle

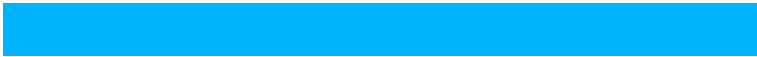
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.9687, 0.5379, 0.3755



31.9687, 0.4399, 0.5065



31.9687, 0.1284, 0.2172



31.9687, 0.1724, 0.1662

Sweetspot

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



31.9705, 0.5379, 0.3755



72.9494, 0.3566, 0.3464



26.9834, 0.3845, 0.2050



14.8333, 0.3652, 0.3493



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.



31.9705, 0.5379, 0.3755



27.6601, 0.5886, 0.3657



65.5829, 0.4435, 0.4646



18.0372, 0.3287, 0.3359



13.4380, 0.5995, 0.3622



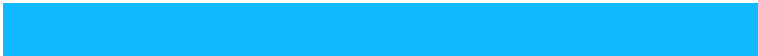
1.4176, 0.5763, 0.3806

Inverse Universe

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



46.2877, 0.2097, 0.2547



42.5029, 0.1999, 0.2371



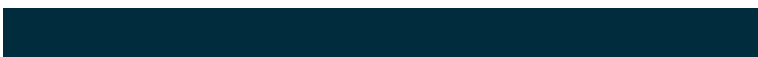
16.3108, 0.1755, 0.1238



18.7166, 0.2980, 0.3220



20.8484, 0.1979, 0.2325



2.1123, 0.2015, 0.2454

Previews

White Background



This preview shows how the Yxy color 31.9687, 0.5379, 0.3755 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 31.9687, 0.5379, 0.3755 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 31.9687, 0.5379, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 31.9687, 0.5379, 0.3755.



This preview shows how white text looks on a background with the Yxy color 31.9687, 0.5379, 0.3755.

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

31.9687, 0.5379, 0.3755

Protanopia

32.1744, 0.4106, 0.4499

Deuteranopia

32.0847, 0.4562, 0.4470



Tritanopia

31.9684, 0.4858, 0.3227

Trichromacy



Original Color

31.9687, 0.5379, 0.3755

Protanomaly

30.8152, 0.4600, 0.4193

Deuteranomaly

31.2930, 0.4891, 0.4174

Tritanomaly

31.7800, 0.5086, 0.3444

Monochromacy



Original Color

31.9687, 0.5379, 0.3755

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1577, 0.3956, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9687, 0.5379, 0.3755 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(250, 111, 55)` looks like.

```
.text, #text, p{  
    color:rgb(250, 111, 55)  
}
```

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(250, 111, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 111, 55) }
```

Border

The CSS property to change the border of an element to Yxy 31.9687, 0.5379, 0.3755 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(250, 111, 55) }
```

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

```
.border{ border-color:rgb(250, 111, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 111, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 111, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 111, 55);  
box-shadow:4px 4px 4px 4px rgb(250, 111,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9687, 0.5379, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 111, 55) }
```

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

```
.background{ background-color: rgb(250,  
111, 55) }
```

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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