

Converting Colors

$Y_{xy}(31.6365, 0.5197, 0.3632)$

Have a look what the booklet for
Yxy(31.6365, 0.5197, 0.3632)
contains.

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Color

Yxy(31.6374, 0.5198, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	F76F4A
RGB	247, 111, 74
RGB Percent	97%, 44%, 29%
CMY	0.0314, 0.5647, 0.7100
CMYK	0.00, 0.55, 0.70, 0.03
HSL	13°, 92%, 63%
HSV	13°, 70%, 97%
XYZ	45.2784, 31.6374, 10.1916
YIQ	147.4460, 92.9330, 17.3250

Conversions

Conversions Part 2

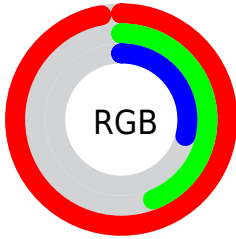
Format	Color
RYB	247, 121, 74
Decimal	16215882
CIELab	63.04, 49.80, 45.47
CIELCh	63, 67.438, 42.398
Yxy	31.6374, 0.5198, 0.3632
Android (android.graphics.Color)	4294405962 (0xFFFF76F4A)
YUV	147.4460, -36.2089, 87.3089
Hunter-Lab	56.2471, 45.2583, 28.6301

Details

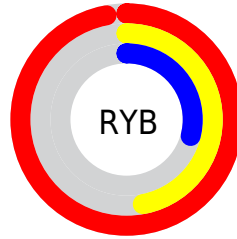
The Yxy color **31.6374, 0.5198, 0.3632** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **54.2425, 0.2208, 0.2809**, and the grayscale version is **29.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9877, 0.4362, 0.3727**, and **13.1957, 0.5779, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **27.5831, 0.5598, 0.3615**, and if you desaturate by 10%, it is **36.7463, 0.4785, 0.3616**.

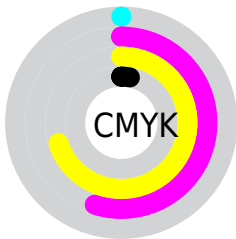
Distribution



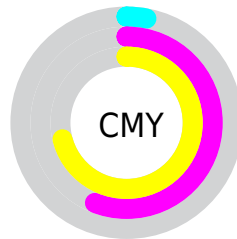
- Red (97%)
- Green (44%)
- Blue (29%)



- Red (97%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (55%)
- Yellow (70%)
- Black (3%)



- Cyan (3%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6374, 0.5198, 0.3632 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 31.6374, 0.5198, 0.3632 by changing the saturation by 10% instead.


 31.6374, 0.5198,
0.3632


 31.6374, 0.5198,
0.3632


309.4642, 0.4119,
0.3554

 21.0847, 0.5460,
0.3611


 62.2422, 0.4806,
0.3632

 13.1859, 0.5784,
0.3560


 83.0631, 0.4658,
0.3623

 7.5567, 0.6184,
0.3449


 108.0755, 0.4533,
0.3612

 3.8126, 0.6741,
0.3259

 137.6638, 0.4426,
0.3600

 1.5693, 0.7219,
0.2781

 172.2125, 0.4333,
0.3588

 0.3368, 0.8382,
0.1618

212.1058, 0.4253,

 0.0000, 1.0000,

0.3576

0.0000

257.7282, 0.4182,
0.3565

■ 0.0000, 0.0000,
0.0000

■ 31.6374, 0.5198,
0.3632

■ 31.6374, 0.5198,
0.3632

■ 27.5831, 0.5598,
0.3615

■ 36.7463, 0.4785,
0.3616

■ 24.5015, 0.5936,
0.3560

■ 42.9730, 0.4397,
0.3576

■ 22.3102, 0.6177,
0.3478


■ 50.3818, 0.4051,
0.3522

■ 59.0304, 0.3755,
0.3463

■ 68.9727, 0.3506,
0.3403

 80.2594, 0.3299,
0.3345

 92.9384, 0.3128,
0.3290

 98.5149, 0.3078,
0.3290

Harmonies

Analogous

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



31.6374, 0.4761, 0.2948



31.6374, 0.5198, 0.3632



31.6374, 0.4937, 0.4363

Triad

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



31.6374, 0.5198, 0.3632



31.6374, 0.2332, 0.4593



31.6374, 0.1913, 0.1776

Complementary

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



31.6374, 0.5198, 0.3632



54.2425, 0.2208, 0.2809

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.



31.6374, 0.1501, 0.1901



31.6374, 0.5198, 0.3632



31.6374, 0.1678, 0.3364

Square

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



31.6374, 0.5198, 0.3632



31.6374, 0.3261, 0.5272



31.6374, 0.1417, 0.2396



31.6374, 0.2684, 0.1940

Rectangle

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



31.6374, 0.5198, 0.3632



31.6374, 0.4483, 0.4836



31.6374, 0.1417, 0.2396



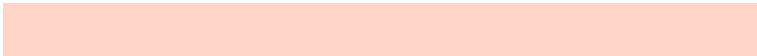
31.6374, 0.1737, 0.1783

Sweetspot

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



31.6391, 0.5198, 0.3632



73.0436, 0.3528, 0.3408



29.4407, 0.3572, 0.1994



14.9794, 0.3594, 0.3425



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.



31.6391, 0.5198, 0.3632



28.1797, 0.5746, 0.3597



59.3399, 0.4437, 0.4452



17.0574, 0.3288, 0.3341



11.9655, 0.6151, 0.3498



1.1958, 0.5918, 0.3683

Inverse Universe

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



54.2425, 0.2208, 0.2809



53.3584, 0.2112, 0.2697



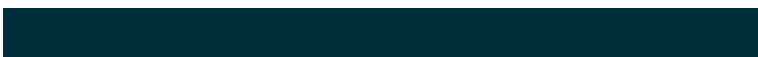
23.0594, 0.1917, 0.1634



18.1203, 0.2980, 0.3238



24.2013, 0.2052, 0.2586



2.2735, 0.2079, 0.2684

Previews

White Background



This preview shows how the Yxy color 31.6374, 0.5198, 0.3632 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 31.6374, 0.5198, 0.3632 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 31.6374, 0.5198, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 31.6374, 0.5198, 0.3632.



This preview shows how white text looks on a background with the Yxy color 31.6374, 0.5198, 0.3632.

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

31.6374, 0.5198, 0.3632

Protanopia

31.8119, 0.3910, 0.4245

Deuteranopia

31.8983, 0.4392, 0.4311



Tritanopia

31.6401, 0.4812, 0.3226

Trichromacy



Original Color

31.6374, 0.5198, 0.3632

Protanomaly

30.6718, 0.4392, 0.4000

Deuteranomaly

31.0536, 0.4712, 0.4028

Tritanomaly

31.5824, 0.4962, 0.3383

Monochromacy



Original Color

31.6374, 0.5198, 0.3632

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.4735, 0.3857, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6374, 0.5198, 0.3632 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(247, 111, 74)` looks like.

```
.text, #text, p{  
    color:rgb(247, 111, 74)  
}
```

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(247, 111, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 111, 74) }
```

Border

The CSS property to change the border of an element to Yxy 31.6374, 0.5198, 0.3632 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(247, 111, 74) }
```

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

```
.border{ border-color:rgb(247, 111, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 111, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 111, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 111, 74);  
box-shadow:4px 4px 4px 4px rgb(247, 111,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6374, 0.5198, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 111, 74) }
```

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

```
.background{ background-color: rgb(247,  
111, 74) }
```

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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