

Converting Colors

$Y_{xy}(45.6746, 0.5483, 0.3523)$

Have a look what the booklet for
Yxy(45.6746, 0.5483, 0.3523)
contains.

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Color

Yxy(34.3449, 0.5147, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	FF7451
RGB	255, 116, 81
RGB Percent	100%, 45%, 32%
CMY	0.0000, 0.5450, 0.6825
CMYK	0.00, 0.55, 0.68, 0.00
HSL	12°, 100%, 66%
HSV	12°, 68%, 100%
XYZ	48.9676, 34.3449, 11.8257
YIQ	153.5710, 94.0790, 18.5830

Conversions

Conversions Part 2

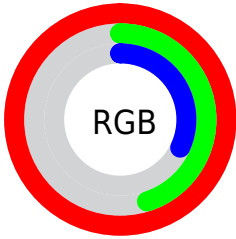
Format	Color
R_{YB}	255, 125, 81
Decimal	16741457
CIE _{Lab}	65.24, 50.68, 44.64
CIE _{LCh}	65, 67.534, 41.375
Yxy	34.3449, 0.5147, 0.3610
Android (android.graphics.Color)	4294931537 (0xFFFF7451)
YUV	153.5710, -35.7775, 88.9532
Hunter-Lab	58.6045, 46.5897, 29.0592

Details

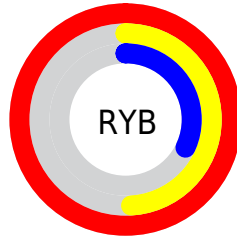
The Yxy color **34.3449, 0.5147, 0.3610** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **60.1222, 0.2230, 0.2851**, and the grayscale version is **32.2469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0245, 0.4270, 0.3709**, and **14.7672, 0.5705, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **29.8416, 0.5557, 0.3598**, and if you desaturate by 10%, it is **40.0244, 0.4730, 0.3591**.

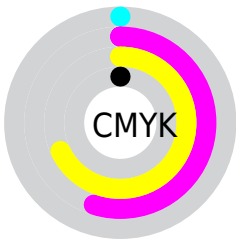
Distribution



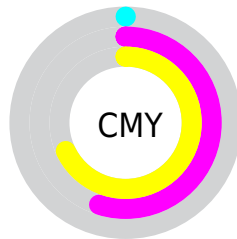
- Red (100%)
- Green (45%)
- Blue (32%)



- Red (100%)
- Yellow (49%)
- Blue (32%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3449, 0.5147, 0.3610 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 34.3449, 0.5147, 0.3610 by changing the saturation by 10% instead.


 34.3449, 0.5147,
0.3610


 34.3449, 0.5147,
0.3610


321.6672, 0.4105,
0.3539


 23.1587, 0.5399,
0.3592


 66.4697, 0.4770,
0.3610


 14.7107, 0.5710,
0.3547


 88.1770, 0.4627,
0.3602


 8.6166, 0.6095,
0.3450


 114.1602, 0.4506,
0.3592

 4.4920, 0.6686,
0.3314

 144.8035, 0.4403,
0.3581

 1.9524, 0.7125,
0.2875

 180.4915, 0.4313,
0.3570

 0.5796, 0.7905,
0.2095

221.6086, 0.4235,

 0.0000, 1.0000,

0.3559

0.0000

268.5390, 0.4166,
0.3549

■ 0.0000, 0.0000,
0.0000

■ 34.3449, 0.5147,
0.3610

■ 34.3449, 0.5147,
0.3610

■ 29.8416, 0.5557,
0.3598

■ 40.0244, 0.4730,
0.3591

■ 26.4238, 0.5912,
0.3550

■ 46.9507, 0.4342,
0.3551


■ 23.9938, 0.6166,
0.3471

■ 55.1951, 0.4001,
0.3499

■ 23.6578, 0.6202,
0.3458

■ 64.8221, 0.3710,
0.3443

■ 75.8916, 0.3467,
0.3386

 88.4602, 0.3266,
0.3332

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



34.3449, 0.4693, 0.2937



34.3449, 0.5147, 0.3610



34.3449, 0.4919, 0.4326

Triad

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



34.3449, 0.5147, 0.3610



34.3449, 0.2382, 0.4591



34.3449, 0.1919, 0.1805

Complementary

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



34.3449, 0.5147, 0.3610



60.1222, 0.2230, 0.2851

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.



34.3449, 0.1524, 0.1941



34.3449, 0.5147, 0.3610



34.3449, 0.1726, 0.3405

Square

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



34.3449, 0.5147, 0.3610



34.3449, 0.3298, 0.5224



34.3449, 0.1453, 0.2444



34.3449, 0.2665, 0.1956

Rectangle

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



34.3449, 0.5147, 0.3610



34.3449, 0.4488, 0.4788



34.3449, 0.1453, 0.2444



34.3449, 0.1750, 0.1816

Sweetspot

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



34.3468, 0.5147, 0.3610



73.8507, 0.3506, 0.3396



32.3154, 0.3559, 0.2013



15.1248, 0.3572, 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.



34.3468, 0.5147, 0.3610



28.4386, 0.5700, 0.3584



64.4621, 0.4405, 0.4435



18.5794, 0.3289, 0.3339



12.5286, 0.6177, 0.3477



1.3654, 0.5972, 0.3640

Inverse Universe

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



60.1222, 0.2230, 0.2851



55.3284, 0.2133, 0.2749



25.7897, 0.1943, 0.1679



19.8233, 0.2980, 0.3241



26.4664, 0.2064, 0.2628



2.7271, 0.2087, 0.2712

Previews

White Background



This preview shows how the Yxy color 34.3449, 0.5147, 0.3610 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 34.3449, 0.5147, 0.3610 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 34.3449, 0.5147, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 34.3449, 0.5147, 0.3610.



This preview shows how white text looks on a background with the Yxy color 34.3449, 0.5147, 0.3610.

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

34.3449, 0.5147, 0.3610

Protanopia

34.6395, 0.3866, 0.4190

Deuteranopia

34.3634, 0.4346, 0.4258



Tritanopia

34.4263, 0.4736, 0.3226

Trichromacy



Original Color

34.3449, 0.5147, 0.3610



Protanomaly

33.0968, 0.4336, 0.3949



Deuteranomaly

33.4645, 0.4652, 0.3987



Tritanomaly

34.3352, 0.4896, 0.3372

Monochromacy



Original Color

34.3449, 0.5147, 0.3610



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

31.3648, 0.3839, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3449, 0.5147, 0.3610 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, 116, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 81)  
}
```

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, 116, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 81) }
```

Border

The CSS property to change the border of an element to Yxy 34.3449, 0.5147, 0.3610 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, 116, 81) }
```

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

```
.border{ border-color:rgb(255, 116, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3449, 0.5147, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 81) }
```

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

```
.background{ background-color: rgb(255,  
116, 81) }
```

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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