

Converting Colors

$Y_{xy}(34.0350, 0.5201, 0.3637)$

Have a look what the booklet for
Yxy(34.0350, 0.5201, 0.3637)
contains.

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Color

Yxy(34.0433, 0.5202, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	FF734C
RGB	255, 115, 76
RGB Percent	100%, 45%, 30%
CMY	0.0001, 0.5489, 0.7020
CMYK	0.00, 0.55, 0.70, 0.00
HSL	13°, 100%, 65%
HSV	13°, 70%, 100%
XYZ	48.6654, 34.0433, 10.8426
YIQ	152.4140, 95.9590, 17.5510

Conversions

Conversions Part 2

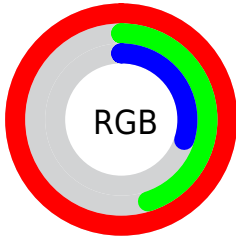
Format	Color
R_{YB}	255, 126, 76
Decimal	16741196
CIE _{Lab}	65.00, 50.88, 46.95
CIE _{LCh}	65, 69.230, 42.699
Yxy	34.0433, 0.5202, 0.3639
Android (android.graphics.Color)	4294931276 (0xFFFF734C)
YUV	152.4140, -37.6721, 89.9679
Hunter-Lab	58.3466, 46.7754, 29.8247

Details

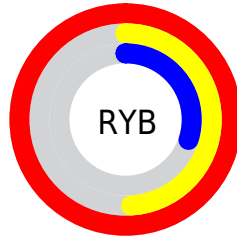
The Yxy color **34.0433, 0.5202, 0.3639** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **57.8252, 0.2204, 0.2797**, and the grayscale version is **31.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5158, 0.4320, 0.3748**, and **14.6278, 0.5771, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **29.6910, 0.5600, 0.3621**, and if you desaturate by 10%, it is **39.5228, 0.4790, 0.3623**.

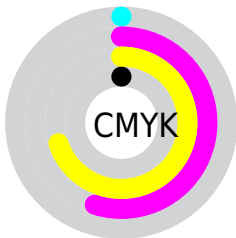
Distribution



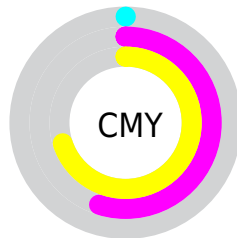
- Red (100%)
- Green (45%)
- Blue (30%)



- Red (100%)
- Yellow (49%)
- Blue (30%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0433, 0.5202, 0.3639 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 34.0433, 0.5202, 0.3639 by changing the saturation by 10% instead.


 34.0433, 0.5202,
0.3639


 34.0433, 0.5202,
0.3639


320.3251, 0.4135,
0.3561


 22.9269, 0.5457,
0.3619


 66.0010, 0.4818,
0.3638


 14.5395, 0.5770,
0.3571


 87.6111, 0.4672,
0.3630

 8.4969, 0.6152,
0.3466


 113.4878, 0.4548,
0.3619

 4.4145, 0.6700,
0.3300

 144.0155, 0.4441,
0.3607

 1.9080, 0.7145,
0.2855

 179.5788, 0.4349,
0.3595

 0.5532, 0.7953,
0.2047

220.5618, 0.4268,

 0.0000, 1.0000,

0.3583

0.0000

267.3491, 0.4198,
0.3572

■ 0.0000, 0.0000,
0.0000

■ 34.0433, 0.5202,
0.3639

■ 34.0433, 0.5202,
0.3639

■ 29.6910, 0.5600,
0.3621

■ 39.5228, 0.4790,
0.3623

■ 26.3786, 0.5936,
0.3564


■ 46.1969, 0.4402,
0.3582

■ 24.0449, 0.6172,
0.3482

■ 54.1343, 0.4056,
0.3528

■ 63.3964, 0.3759,
0.3467

■ 74.0409, 0.3509,
0.3406

 86.1218, 0.3302,
0.3347

99.6902, 0.3130,
0.3291

99.9931, 0.3127,
0.3290

Harmonies

Analogous

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



34.0433, 0.4772, 0.2953



34.0433, 0.5202, 0.3639



34.0433, 0.4934, 0.4371

Triad

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



34.0433, 0.5202, 0.3639



34.0433, 0.2322, 0.4585



34.0433, 0.1917, 0.1774

Complementary

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



34.0433, 0.5202, 0.3639



57.8252, 0.2204, 0.2797

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.



34.0433, 0.1502, 0.1896



34.0433, 0.5202, 0.3639



34.0433, 0.1671, 0.3352

Square

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



34.0433, 0.5202, 0.3639



34.0433, 0.3251, 0.5274



34.0433, 0.1414, 0.2387



34.0433, 0.2693, 0.1941

Rectangle

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



34.0433, 0.5202, 0.3639



34.0433, 0.4477, 0.4845



34.0433, 0.1414, 0.2387



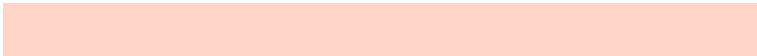
34.0433, 0.1740, 0.1780

Sweetspot

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



34.0452, 0.5202, 0.3639



73.1533, 0.3528, 0.3411



31.3890, 0.3609, 0.2015



15.0050, 0.3593, 0.3428



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.



34.0452, 0.5202, 0.3639



28.3211, 0.5738, 0.3604



65.0824, 0.4418, 0.4480



18.6294, 0.3289, 0.3343



12.7451, 0.6146, 0.3502



1.3932, 0.5936, 0.3669

Inverse Universe

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



57.8252, 0.2204, 0.2797



52.9314, 0.2109, 0.2685



23.8563, 0.1904, 0.1589



19.7693, 0.2980, 0.3237



25.4349, 0.2047, 0.2570



2.6351, 0.2073, 0.2661

Previews

White Background



This preview shows how the Yxy color 34.0433, 0.5202, 0.3639 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 34.0433, 0.5202, 0.3639 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 34.0433, 0.5202, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 34.0433, 0.5202, 0.3639.



This preview shows how white text looks on a background with the Yxy color 34.0433, 0.5202, 0.3639.

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

34.0433, 0.5202, 0.3639

Protanopia

34.0761, 0.3914, 0.4260

Deuteranopia

33.9658, 0.4401, 0.4306



Tritanopia

33.9369, 0.4772, 0.3227

Trichromacy



Original Color

34.0433, 0.5202, 0.3639

Protanomaly

32.6984, 0.4402, 0.4005

Deuteranomaly

33.0980, 0.4713, 0.4031

Tritanomaly

33.8276, 0.4945, 0.3381

Monochromacy



Original Color

34.0433, 0.5202, 0.3639

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7393, 0.3856, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0433, 0.5202, 0.3639 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, 115, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 76)  
}
```

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, 115, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 76) }
```

Border

The CSS property to change the border of an element to Yxy 34.0433, 0.5202, 0.3639 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, 115, 76) }
```

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

```
.border{ border-color:rgb(255, 115, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 115, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0433, 0.5202, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 76) }
```

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

```
.background{ background-color: rgb(255,  
115, 76) }
```

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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