

Converting Colors

$Y_{xy}(35.8242, 0.5588, 0.3508)$

Have a look what the booklet for
Yxy(35.8242, 0.5588, 0.3508)
contains.

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Color

Yxy(30.4006, 0.5437, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	FF6243
RGB	255, 98, 67
RGB Percent	100%, 38%, 26%
CMY	0.0001, 0.6155, 0.7373
CMYK	0.00, 0.62, 0.74, 0.00
HSL	10°, 100%, 63%
HSV	10°, 74%, 100%
XYZ	46.6125, 30.4006, 8.7190
YIQ	141.4090, 103.5230, 23.6430

Conversions

Conversions Part 2

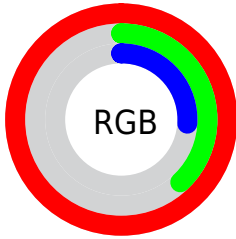
Format	Color
R _Y B	255, 104, 67
Decimal	16736835
CIE Lab	62.00, 58.10, 48.28
CIE LCh	62, 75.538, 39.724
Yxy	30.4006, 0.5437, 0.3546
Android (android.graphics.Color)	4294926915 (0xFFFF6243)
YUV	141.4090, -36.6836, 99.6193
Hunter-Lab	55.1367, 54.4144, 29.2200

Details

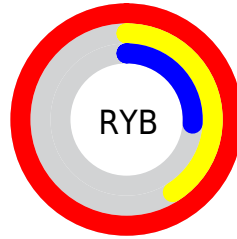
The Yxy color **30.4006, 0.5437, 0.3546** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **61.6772, 0.2210, 0.2900**, and the grayscale version is **26.9265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6556, 0.4504, 0.3671**, and **12.5131, 0.6074, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **26.6915, 0.5831, 0.3515**, and if you desaturate by 10%, it is **35.3068, 0.5004, 0.3547**.

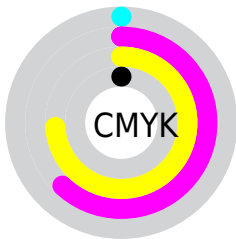
Distribution



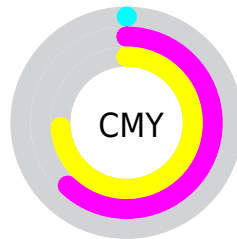
- Red (100%)
- Green (38%)
- Blue (26%)



- Red (100%)
- Yellow (41%)
- Blue (26%)



- Cyan (0%)
- Magenta (62%)
- Yellow (74%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4006, 0.5437, 0.3546 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 30.4006, 0.5437, 0.3546 by changing the saturation by 10% instead.


 30.4006, 0.5437,
0.3546

 30.4006, 0.5437,
0.3546


303.7673, 0.4236,
0.3536

 20.1429, 0.5724,
0.3500


 60.2951, 0.5004,
0.3577


 12.4989, 0.6072,
0.3413


 80.7007, 0.4839,
0.3578


 7.0844, 0.6516,
0.3262

 105.2577, 0.4699,
0.3574

 3.5150, 0.7027,
0.2973

 134.3504, 0.4579,
0.3568

 1.4061, 0.7555,
0.2445

 168.3634, 0.4476,
0.3561

 0.2212, 0.8957,
0.1043

207.6809, 0.4386,

 0.0000, 1.0000,

0.3552

0.0000

252.6874, 0.4306,
0.3544

■ 0.0000, 0.0000,
0.0000

■ 30.4006, 0.5437,
0.3546

■ 30.4006, 0.5437,
0.3546

■ 26.6915, 0.5831,
0.3515

■ 35.3068, 0.5004,
0.3547

■ 24.0690, 0.6131,
0.3455

■ 41.4969, 0.4583,
0.3524

■ 22.9188, 0.6260,
0.3411

■ 49.0558, 0.4202,
0.3486

■ 58.0594, 0.3874,
0.3442

■ 68.5779, 0.3600,
0.3395

 80.6771, 0.3373,
0.3349

 94.4186, 0.3188,
0.3305

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



30.4006, 0.4894, 0.2825



30.4006, 0.5437, 0.3546



30.4006, 0.5162, 0.4337

Triad

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



30.4006, 0.5437, 0.3546



30.4006, 0.2295, 0.4912



30.4006, 0.1729, 0.1627

Complementary

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



30.4006, 0.5437, 0.3546



61.6772, 0.2210, 0.2900

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.



30.4006, 0.1326, 0.1779



30.4006, 0.5437, 0.3546



30.4006, 0.1559, 0.3475

Square

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



30.4006, 0.5437, 0.3546



30.4006, 0.3323, 0.5566



30.4006, 0.1260, 0.2342



30.4006, 0.2530, 0.1780

Rectangle

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



30.4006, 0.5437, 0.3546



30.4006, 0.4662, 0.4889



30.4006, 0.1260, 0.2342



30.4006, 0.1554, 0.1641

Sweetspot

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



30.4023, 0.5437, 0.3546



70.5723, 0.3557, 0.3387



30.8005, 0.3494, 0.1886



14.4460, 0.3625, 0.3399



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.



30.4023, 0.5437, 0.3546



25.4513, 0.5974, 0.3493



58.1303, 0.4583, 0.4406



18.4717, 0.3290, 0.3330



12.1201, 0.6239, 0.3428



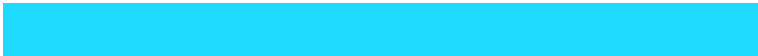
1.3103, 0.6046, 0.3581

Inverse Universe

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



61.6772, 0.2210, 0.2900



57.6117, 0.2133, 0.2815



25.1259, 0.1892, 0.1656



19.9404, 0.2980, 0.3250



28.7952, 0.2098, 0.2754



2.9335, 0.2117, 0.2821

Previews

White Background



This preview shows how the Yxy color 30.4006, 0.5437, 0.3546 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 30.4006, 0.5437, 0.3546 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 30.4006, 0.5437, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 30.4006, 0.5437, 0.3546.



This preview shows how white text looks on a background with the Yxy color 30.4006, 0.5437, 0.3546.

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

30.4006, 0.5437, 0.3546

Protanopia

30.4521, 0.3932, 0.4273

Deuteranopia

30.5051, 0.4457, 0.4378



Tritanopia

30.3840, 0.5087, 0.3242

Trichromacy



Original Color

30.4006, 0.5437, 0.3546

Protanomaly

28.7884, 0.4515, 0.3965

Deuteranomaly

29.5127, 0.4852, 0.4025

Tritanomaly

30.3470, 0.5225, 0.3357

Monochromacy



Original Color

30.4006, 0.5437, 0.3546

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.8272, 0.3964, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4006, 0.5437, 0.3546 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, 98, 67)` looks like.

```
.text, #text, p{  
  color:rgb(255, 98, 67)  
}
```

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, 98, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 67) }
```

Border

The CSS property to change the border of an element to Yxy 30.4006, 0.5437, 0.3546 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, 98, 67) }
```

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

```
.border{ border-color:rgb(255, 98, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4006, 0.5437, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 67) }
```

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

```
.background{ background-color: rgb(255, 98,  
67) }
```

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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