

Converting Colors

$Y_{xy}(30.9333, 0.5324, 0.3535)$

Have a look what the booklet for
Yxy(30.9333, 0.5324, 0.3535)
contains.

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Color

Yxy(30.8798, 0.5322, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	FD664A
RGB	253, 102, 74
RGB Percent	99%, 40%, 29%
CMY	0.0079, 0.5999, 0.7099
CMYK	0.00, 0.60, 0.71, 0.01
HSL	9°, 98%, 64%
HSV	9°, 71%, 99%
XYZ	46.4900, 30.8798, 9.9846
YIQ	143.9570, 98.9840, 23.3040

Conversions

Conversions Part 2

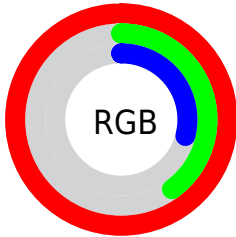
Format	Color
R _Y B	253, 107, 74
Decimal	16606794
CIE Lab	62.41, 56.00, 44.99
CIE LCh	62, 71.833, 38.783
Yxy	30.8798, 0.5322, 0.3535
Android (android.graphics.Color)	4294796874 (0xFFFD664A)
YUV	143.9570, -34.4888, 95.6307
Hunter-Lab	55.5696, 52.0880, 28.2456

Details

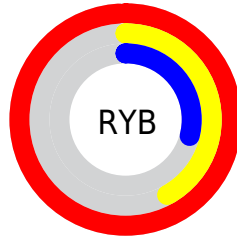
The Yxy color **30.8798, 0.5322, 0.3535** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **62.3594, 0.2236, 0.2938**, and the grayscale version is **27.9863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1690, 0.4412, 0.3644**, and **12.6993, 0.5951, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **26.9377, 0.5736, 0.3514**, and if you desaturate by 10%, it is **36.0412, 0.4885, 0.3529**.

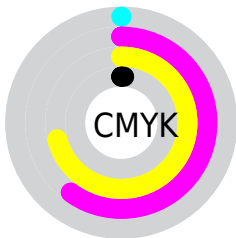
Distribution



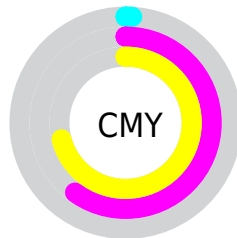
- Red (99%)
- Green (40%)
- Blue (29%)



- Red (99%)
- Yellow (42%)
- Blue (29%)



- Cyan (0%)
- Magenta (60%)
- Yellow (71%)
- Black (1%)





- Cyan (1%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8798, 0.5322, 0.3535 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 30.8798, 0.5322, 0.3535 by changing the saturation by 10% instead.

 30.8798, 0.5322,
0.3535


 30.8798, 0.5322,
0.3535


305.9842, 0.4175,
0.3515

 20.5073, 0.5601,
0.3498


 61.0508, 0.4905,
0.3558

 12.7644, 0.5945,
0.3424


 81.6181, 0.4748,
0.3557


 7.2665, 0.6371,
0.3285


 106.3525, 0.4614,
0.3553

 3.6293, 0.6949,
0.3051

 135.6383, 0.4501,
0.3546

 1.4684, 0.7463,
0.2537

 169.8600, 0.4402,
0.3539

 0.2664, 0.8762,
0.1238

209.4019, 0.4317,

 0.0000, 1.0000,

0.3531

0.0000

254.6485, 0.4242,
0.3523

■ 0.0000, 0.0000,
0.0000

■ 30.8798, 0.5322,
0.3535

■ 30.8798, 0.5322,
0.3535

■ 26.9377, 0.5736,
0.3514

■ 36.0412, 0.4885,
0.3529

■ 24.1077, 0.6069,
0.3463

■ 42.5070, 0.4470,
0.3502


■ 22.3728, 0.6272,
0.3402


■ 50.3604, 0.4102,
0.3464

■ 59.6763, 0.3789,
0.3421

■ 70.5240, 0.3529,
0.3376

 82.9687, 0.3314,
0.3333

 97.0714, 0.3139,
0.3293

 99.6192, 0.3115,
0.3290

Harmonies

Analogous

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



30.8798, 0.4772, 0.2834



30.8798, 0.5322, 0.3535



30.8798, 0.5101, 0.4297

Triad

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



30.8798, 0.5322, 0.3535



30.8798, 0.2374, 0.4846



30.8798, 0.1770, 0.1692

Complementary

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



30.8798, 0.5322, 0.3535



62.3594, 0.2236, 0.2938

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.



30.8798, 0.1387, 0.1856



30.8798, 0.5322, 0.3535



30.8798, 0.1647, 0.3516

Square

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



30.8798, 0.5322, 0.3535



30.8798, 0.3369, 0.5441



30.8798, 0.1337, 0.2421



30.8798, 0.2532, 0.1831

Rectangle

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



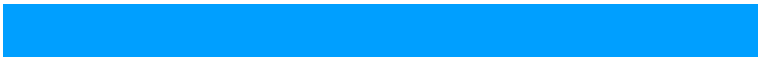
30.8798, 0.5322, 0.3535



30.8798, 0.4642, 0.4818



30.8798, 0.1337, 0.2421



30.8798, 0.1604, 0.1710

Sweetspot

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



30.8815, 0.5322, 0.3535



71.5131, 0.3534, 0.3377



31.2720, 0.3477, 0.1918



14.6218, 0.3602, 0.3389



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.



30.8815, 0.5322, 0.3535



26.0641, 0.5891, 0.3496



58.3436, 0.4524, 0.4383



18.4465, 0.3291, 0.3328



12.0358, 0.6252, 0.3418



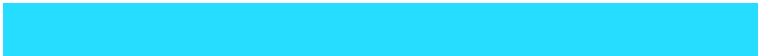
1.2985, 0.6063, 0.3568

Inverse Universe

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



62.3594, 0.2236, 0.2938



59.3685, 0.2152, 0.2857



26.3318, 0.1934, 0.1730



19.9680, 0.2980, 0.3252



29.3608, 0.2106, 0.2783



2.9834, 0.2124, 0.2846

Previews

White Background



This preview shows how the Yxy color 30.8798, 0.5322, 0.3535 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 30.8798, 0.5322, 0.3535 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 30.8798, 0.5322, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 30.8798, 0.5322, 0.3535.



This preview shows how white text looks on a background with the Yxy color 30.8798, 0.5322, 0.3535.

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

30.8798, 0.5322, 0.3535

Protanopia

30.8879, 0.3862, 0.4190

Deuteranopia

31.0195, 0.4398, 0.4308



Tritanopia

30.8057, 0.5021, 0.3240

Trichromacy



Original Color

30.8798, 0.5322, 0.3535

Protanomaly

29.3013, 0.4415, 0.3914

Deuteranomaly

30.1149, 0.4772, 0.3987

Tritanomaly

30.7848, 0.5148, 0.3350

Monochromacy



Original Color

30.8798, 0.5322, 0.3535

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.2228, 0.3905, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8798, 0.5322, 0.3535 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(253, 102, 74)` looks like.

```
.text, #text, p{  
    color:rgb(253, 102, 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(253, 102, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 102, 74) }
```

Border

The CSS property to change the border of an element to Yxy 30.8798, 0.5322, 0.3535 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(253, 102, 74) }
```

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

```
.border{ border-color:rgb(253, 102, 74) }
```

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

Here you see how a box with a 4 pixel rgb(253, 102, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 102, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 102, 74);  
box-shadow:4px 4px 4px 4px rgb(253, 102,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8798, 0.5322, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 102, 74) }
```

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

```
.background{ background-color: rgb(253,  
102, 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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