

Converting Colors

$Y_{xy}(33.0393, 0.5238, 0.3802)$

Have a look what the booklet for
Yxy(33.0393, 0.5238, 0.3802)
contains.

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Color

Yxy(32.8866, 0.5235, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	F6763D
RGB	246, 118, 61
RGB Percent	96%, 46%, 24%
CMY	0.0353, 0.5373, 0.7608
CMYK	0.00, 0.52, 0.75, 0.04
HSL	18°, 91%, 60%
HSV	18°, 75%, 96%
XYZ	45.3295, 32.8866, 8.3732
YIQ	149.7740, 94.5850, 9.4090

Conversions

Conversions Part 2

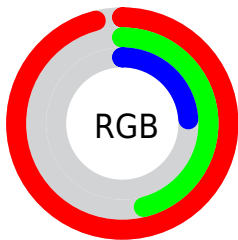
Format	Color
R _Y B	246, 143, 61
Decimal	16152125
CIE Lab	64.07, 45.52, 53.00
CIE LCh	64, 69.866, 49.341
Yxy	32.8866, 0.5235, 0.3798
Android (android.graphics.Color)	4294342205 (0xFFFF6763D)
YUV	149.7740, -43.7656, 84.3902
Hunter-Lab	57.3468, 40.7373, 31.4859

Details

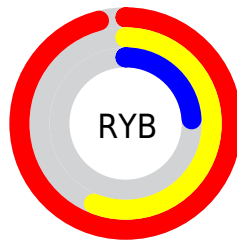
The Yxy color **32.8866, 0.5235, 0.3798** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.0457, 0.2106, 0.2523**, and the grayscale version is **30.5581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9349, 0.4427, 0.3902**, and **13.8632, 0.5789, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **29.0276, 0.5579, 0.3767**, and if you desaturate by 10%, it is **37.5941, 0.4865, 0.3784**.

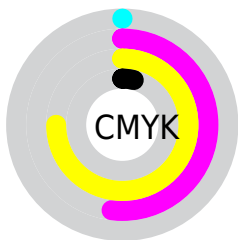
Distribution



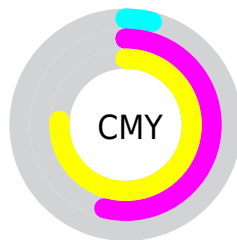
- Red (96%)
- Green (46%)
- Blue (24%)



- Red (96%)
- Yellow (56%)
- Blue (24%)



- Cyan (0%)
- Magenta (52%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8866, 0.5235, 0.3798 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 32.8866, 0.5235, 0.3798 by changing the saturation by 10% instead.


 32.8866, 0.5235,
0.3798


 32.8866, 0.5235,
0.3798


315.1384, 0.4160,
0.3653

 22.0396, 0.5484,
0.3787


 64.1984, 0.4853,
0.3779

 13.8860, 0.5783,
0.3743


 85.4321, 0.4706,
0.3761


 8.0414, 0.6165,
0.3653


 110.8967, 0.4580,
0.3742

 4.1215, 0.6572,
0.3428

 140.9767, 0.4472,
0.3723

 1.7417, 0.7010,
0.2990

 176.0565, 0.4378,
0.3704

 0.4505, 0.7953,
0.2047

 216.5204, 0.4296,

 0.0000, 1.0000,

0.3686

0.0000

262.7529, 0.4224,
0.3669

0.0000, 0.0000,
0.0000

32.8866, 0.5235,
0.3798

32.8866, 0.5235,
0.3798

29.0276, 0.5579,
0.3767

37.5941, 0.4865,
0.3784

25.9546, 0.5860,
0.3688


43.1953, 0.4502,
0.3734

24.7352, 0.5972,
0.3640


49.7384, 0.4166,
0.3663

57.2660, 0.3869,
0.3581

65.8184, 0.3613,
0.3495

 75.4329, 0.3395,
0.3410

 86.1455, 0.3211,
0.3330

 97.8079, 0.3072,
0.3282

 98.3346, 0.3072,
0.3290

Harmonies

Analogous

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



32.8866, 0.4966, 0.3092



32.8866, 0.5235, 0.3798



32.8866, 0.4825, 0.4546

Triad

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



32.8866, 0.5235, 0.3798



32.8866, 0.2125, 0.4349



32.8866, 0.2038, 0.1765

Complementary

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



32.8866, 0.5235, 0.3798



44.0457, 0.2106, 0.2523

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.



32.8866, 0.1540, 0.1817



32.8866, 0.5235, 0.3798



32.8866, 0.1555, 0.3090

Square

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



32.8866, 0.5235, 0.3798



32.8866, 0.3027, 0.5251



32.8866, 0.1379, 0.2218



32.8866, 0.2907, 0.1992

Rectangle

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



32.8866, 0.5235, 0.3798



32.8866, 0.4307, 0.5009



32.8866, 0.1379, 0.2218



32.8866, 0.1832, 0.1749

Sweetspot

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



32.8884, 0.5235, 0.3798



73.5673, 0.3563, 0.3476



26.6720, 0.3852, 0.2096



14.9803, 0.3648, 0.3507



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.



32.8884, 0.5235, 0.3798



29.7360, 0.5728, 0.3734



65.5363, 0.4372, 0.4648



17.3152, 0.3286, 0.3364



13.4190, 0.5943, 0.3664



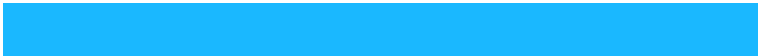
1.3540, 0.5699, 0.3857

Inverse Universe

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



44.0457, 0.2106, 0.2523



41.8357, 0.2000, 0.2346



16.3822, 0.1785, 0.1275



17.8458, 0.2980, 0.3215



19.1990, 0.1959, 0.2252



1.8691, 0.1999, 0.2397

Previews

White Background



This preview shows how the Yxy color 32.8866, 0.5235, 0.3798 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 32.8866, 0.5235, 0.3798 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 32.8866, 0.5235, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 32.8866, 0.5235, 0.3798.



This preview shows how white text looks on a background with the Yxy color 32.8866, 0.5235, 0.3798.

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

32.8866, 0.5235, 0.3798

Protanopia

33.1291, 0.4074, 0.4456

Deuteranopia

33.0390, 0.4514, 0.4420



Tritanopia

32.8405, 0.4706, 0.3214

Trichromacy



Original Color

32.8866, 0.5235, 0.3798

Protanomaly

32.0427, 0.4520, 0.4193

Deuteranomaly

32.4730, 0.4800, 0.4168

Tritanomaly

32.8729, 0.4928, 0.3452

Monochromacy



Original Color

32.8866, 0.5235, 0.3798

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.7993, 0.3883, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8866, 0.5235, 0.3798 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(246, 118, 61)` looks like.

```
.text, #text, p{  
    color:rgb(246, 118, 61)  
}
```

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(246, 118, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 118, 61) }
```

Border

The CSS property to change the border of an element to Yxy 32.8866, 0.5235, 0.3798 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(246, 118, 61) }
```

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

```
.border{ border-color:rgb(246, 118, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 118, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 118, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 118, 61);  
box-shadow:4px 4px 4px 4px rgb(246, 118,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8866, 0.5235, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 118, 61) }
```

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

```
.background{ background-color: rgb(246,  
118, 61) }
```

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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