

Converting Colors

$Y_{xy}(43.5607, 0.5402, 0.3723)$

Have a look what the booklet for
Yxy(43.5607, 0.5402, 0.3723)
contains.

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Color

Yxy(36.5751, 0.5183, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E42
RGB	255, 126, 66
RGB Percent	100%, 49%, 26%
CMY	0.0001, 0.5058, 0.7412
CMYK	0.00, 0.51, 0.74, 0.00
HSL	19°, 100%, 63%
HSV	19°, 74%, 100%
XYZ	49.6773, 36.5751, 9.5943
YIQ	157.7310, 96.1440, 8.6880

Conversions

Conversions Part 2

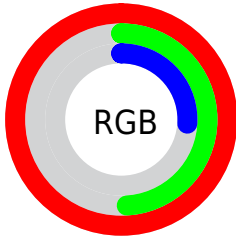
Format	Color
R_{YB}	255, 154, 66
Decimal	16744002
CIE _{Lab}	66.96, 45.18, 54.03
CIE _{LCh}	67, 70.434, 50.096
Yxy	36.5751, 0.5183, 0.3816
Android (android.graphics.Color)	4294934082 (0xFFFF7E42)
YUV	157.7310, -45.2234, 85.3049
Hunter-Lab	60.4774, 40.7882, 32.9283

Details

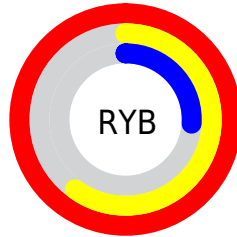
The Yxy color **36.5751, 0.5183, 0.3816** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **47.3799, 0.2108, 0.2509**, and the grayscale version is **34.2428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5921, 0.4327, 0.3945**, and **16.0006, 0.5708, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **32.2702, 0.5527, 0.3791**, and if you desaturate by 10%, it is **41.7917, 0.4816, 0.3796**.

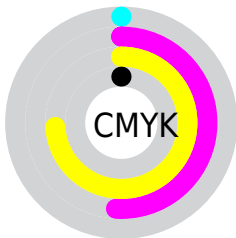
Distribution



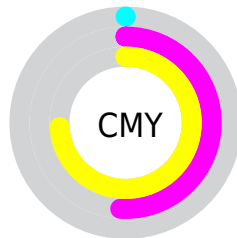
- Red (100%)
- Green (49%)
- Blue (26%)



- Red (100%)
- Yellow (60%)
- Blue (26%)



- Cyan (0%)
- Magenta (51%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5751, 0.5183, 0.3816 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 36.5751, 0.5183, 0.3816 by changing the saturation by 10% instead.


 36.5751, 0.5183,
0.3816

 36.5751, 0.5183,
0.3816

331.4673, 0.4151,
0.3661


 24.8787, 0.5419,
0.3811


 69.9188, 0.4820,
0.3791

 15.9867, 0.5700,
0.3778


 92.3349, 0.4679,
0.3772


 9.5147, 0.6040,
0.3697


 119.0930, 0.4558,
0.3752

 5.0784, 0.6466,
0.3534

 150.5774, 0.4454,
0.3732

 2.2933, 0.6852,
0.3148

 187.1727, 0.4363,
0.3713

 0.7702, 0.7472,
0.2528

229.2632, 0.4284,

 0.0000, 1.0000,

0.3694

0.0000

277.2332, 0.4214,
0.3677

■ 0.0000, 0.0000,
0.0000

■ 36.5751, 0.5183,
0.3816

■ 36.5751, 0.5183,
0.3816

■ 32.2702, 0.5527,
0.3791

■ 41.7917, 0.4816,
0.3796

■ 28.8116, 0.5815,
0.3716


■ 47.9669, 0.4458,
0.3742


■ 27.1398, 0.5951,
0.3657

■ 55.1512, 0.4129,
0.3667

■ 63.3893, 0.3838,
0.3581

■ 72.7231, 0.3587,
0.3492

 83.1922, 0.3373,
0.3405

 94.8341, 0.3193,
0.3322

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



36.5751, 0.4933, 0.3119



36.5751, 0.5183, 0.3816



36.5751, 0.4777, 0.4547

Triad

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



36.5751, 0.5183, 0.3816



36.5751, 0.2133, 0.4287



36.5751, 0.2080, 0.1798

Complementary

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



36.5751, 0.5183, 0.3816



47.3799, 0.2108, 0.2509

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.



36.5751, 0.1580, 0.1844



36.5751, 0.5183, 0.3816



36.5751, 0.1581, 0.3072

Square

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



36.5751, 0.5183, 0.3816



36.5751, 0.3013, 0.5181



36.5751, 0.1414, 0.2231



36.5751, 0.2940, 0.2028

Rectangle

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



36.5751, 0.5183, 0.3816



36.5751, 0.4268, 0.4989



36.5751, 0.1414, 0.2231



36.5751, 0.1874, 0.1780

Sweetspot

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



36.5771, 0.5183, 0.3816



74.8611, 0.3539, 0.3473



29.0968, 0.3881, 0.2129



15.4439, 0.3601, 0.3497



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.



36.5771, 0.5183, 0.3816



30.4864, 0.5677, 0.3761



73.0072, 0.4336, 0.4663



18.9287, 0.3286, 0.3366



14.4202, 0.5922, 0.3680



1.5909, 0.5701, 0.3855

Inverse Universe

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



47.3799, 0.2108, 0.2509



41.2951, 0.1997, 0.2327



17.6139, 0.1790, 0.1265



19.4510, 0.2980, 0.3213



19.8699, 0.1949, 0.2215



2.1315, 0.1987, 0.2352

Previews

White Background



This preview shows how the Yxy color 36.5751, 0.5183, 0.3816 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 36.5751, 0.5183, 0.3816 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 36.5751, 0.5183, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 36.5751, 0.5183, 0.3816.



This preview shows how white text looks on a background with the Yxy color 36.5751, 0.5183, 0.3816.

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

36.5751, 0.5183, 0.3816

Protanopia

36.9105, 0.4059, 0.4450

Deuteranopia

36.5855, 0.4501, 0.4404



Tritanopia

36.5197, 0.4580, 0.3214

Trichromacy



Original Color

36.5751, 0.5183, 0.3816

Protanomaly

35.7036, 0.4484, 0.4200

Deuteranomaly

35.9714, 0.4774, 0.4163

Tritanomaly

36.4665, 0.4832, 0.3460

Monochromacy



Original Color

36.5751, 0.5183, 0.3816

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.3759, 0.3856, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5751, 0.5183, 0.3816 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, 126, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 66)  
}
```

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, 126, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 66) }
```

Border

The CSS property to change the border of an element to Yxy 36.5751, 0.5183, 0.3816 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, 126, 66) }
```

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

```
.border{ border-color:rgb(255, 126, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5751, 0.5183, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 66) }
```

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

```
.background{ background-color: rgb(255,  
126, 66) }
```

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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