

Converting Colors

$Y_{xy}(32.4454, 0.5377, 0.3670)$

Have a look what the booklet for
Yxy(32.4454, 0.5377, 0.3670)
contains.

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Color

Yxy(32.5562, 0.5371, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	FF6D3F
RGB	255, 109, 63
RGB Percent	100%, 43%, 25%
CMY	0.0000, 0.5725, 0.7530
CMYK	0.00, 0.57, 0.75, 0.00
HSL	14°, 100%, 62%
HSV	14°, 75%, 100%
XYZ	47.6067, 32.5562, 8.4737
YIQ	147.4100, 101.7820, 16.6460

Conversions

Conversions Part 2

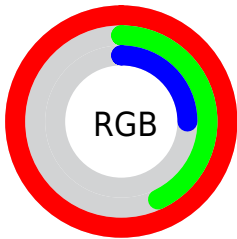
Format	Color
R_{YB}	255, 123, 63
Decimal	16739647
CIE _{Lab}	63.80, 53.12, 52.20
CIE _{LCh}	64, 74.471, 44.500
Yxy	32.5562, 0.5371, 0.3673
Android (android.graphics.Color)	4294929727 (0xFFFF6D3F)
YUV	147.4100, -41.6141, 94.3564
Hunter-Lab	57.0580, 49.0809, 31.1355

Details

The Yxy color **32.5562, 0.5371, 0.3673** 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 **53.8619, 0.2150, 0.2700**, and the grayscale version is **29.5003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0032, 0.4473, 0.3812**, and **13.7412, 0.5955, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **28.6448, 0.5738, 0.3636**, and if you desaturate by 10%, it is **37.5137, 0.4970, 0.3670**.

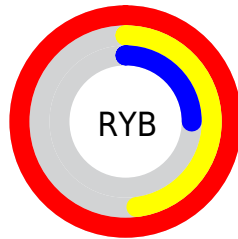
Distribution



Red (100%)

Green (43%)

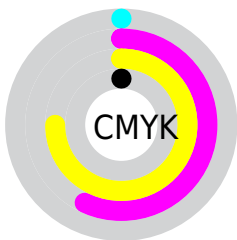
Blue (25%)



Red (100%)

Yellow (48%)

Blue (25%)

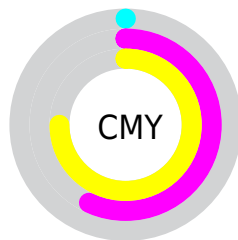


Cyan (0%)

Magenta (57%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5562, 0.5371, 0.3673 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 32.5562, 0.5371, 0.3673 by changing the saturation by 10% instead.


 32.5562, 0.5371,
0.3673


 32.5562, 0.5371,
0.3673


313.6452, 0.4223,
0.3601


 21.7867, 0.5638,
0.3642


 63.6820, 0.4963,
0.3682


 13.7002, 0.5958,
0.3573


 84.8071, 0.4805,
0.3675

 7.9125, 0.6365,
0.3450


 110.1529, 0.4671,
0.3664

 4.0390, 0.6810,
0.3190

 140.1037, 0.4556,
0.3652

 1.6954, 0.7286,
0.2714

 175.0439, 0.4456,
0.3639

 0.4207, 0.8275,
0.1725

 215.3580, 0.4369,

 0.0000, 1.0000,

0.3626

0.0000

261.4303, 0.4292,
0.3613

■ 0.0000, 0.0000,
0.0000

■ 32.5562, 0.5371,
0.3673

■ 32.5562, 0.5371,
0.3673

■ 28.6448, 0.5738,
0.3636

■ 37.5137, 0.4970,
0.3670

■ 25.6958, 0.6025,
0.3558


■ 43.5855, 0.4575,
0.3637

■ 24.6110, 0.6129,
0.3515

■ 50.8371, 0.4213,
0.3583

■ 59.3281, 0.3897,
0.3519

■ 69.1137, 0.3628,
0.3451

 80.2458, 0.3402,
0.3385

 92.7734, 0.3214,
0.3322

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.5562, 0.4969, 0.2954



32.5562, 0.5371, 0.3673



32.5562, 0.5013, 0.4456

Triad

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



32.5562, 0.5371, 0.3673



32.5562, 0.2188, 0.4646



32.5562, 0.1866, 0.1676

Complementary

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



32.5562, 0.5371, 0.3673



53.8619, 0.2150, 0.2700

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.



32.5562, 0.1412, 0.1776



32.5562, 0.5371, 0.3673



32.5562, 0.1532, 0.3264

Square

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



32.5562, 0.5371, 0.3673



32.5562, 0.3166, 0.5458



32.5562, 0.1296, 0.2256



32.5562, 0.2714, 0.1869

Rectangle

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



32.5562, 0.5371, 0.3673



32.5562, 0.4494, 0.4977



32.5562, 0.1296, 0.2256



32.5562, 0.1674, 0.1674

Sweetspot

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



32.5572, 0.5371, 0.3673



71.5569, 0.3572, 0.3436



29.4751, 0.3693, 0.1991



14.5028, 0.3660, 0.3460



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.



32.5572, 0.5371, 0.3673



27.1452, 0.5885, 0.3604



64.7062, 0.4478, 0.4550



18.6939, 0.3288, 0.3348



13.0507, 0.6102, 0.3537



1.4313, 0.5887, 0.3707

Inverse Universe

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



53.8619, 0.2150, 0.2700



48.7352, 0.2061, 0.2568



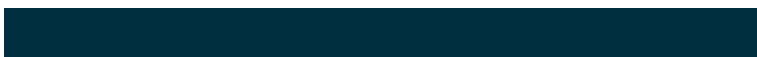
20.3517, 0.1819, 0.1417



19.7001, 0.2980, 0.3232



24.1474, 0.2026, 0.2494



2.5197, 0.2054, 0.2595

Previews

White Background



This preview shows how the Yxy color 32.5562, 0.5371, 0.3673 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 32.5562, 0.5371, 0.3673 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 32.5562, 0.5371, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 32.5562, 0.5371, 0.3673.



This preview shows how white text looks on a background with the Yxy color 32.5562, 0.5371, 0.3673.

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

32.5562, 0.5371, 0.3673

Protanopia

32.6364, 0.4022, 0.4396

Deuteranopia

32.5938, 0.4514, 0.4415



Tritanopia

32.5330, 0.4884, 0.3229

Trichromacy



Original Color

32.5562, 0.5371, 0.3673

Protanomaly

31.2014, 0.4546, 0.4098

Deuteranomaly

31.6694, 0.4855, 0.4106

Tritanomaly

32.3762, 0.5092, 0.3405

Monochromacy



Original Color

32.5562, 0.5371, 0.3673

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.4751, 0.3944, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5562, 0.5371, 0.3673 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, 109, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 63)  
}
```

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, 109, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 63) }
```

Border

The CSS property to change the border of an element to Yxy 32.5562, 0.5371, 0.3673 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, 109, 63) }
```

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

```
.border{ border-color:rgb(255, 109, 63) }
```

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

Here you see how a box with a 4 pixel rgb(255, 109, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5562, 0.5371, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 63) }
```

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

```
.background{ background-color: rgb(255,  
109, 63) }
```

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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