

Converting Colors

$Y_{xy}(32.9556, 0.5522, 0.3845)$

Have a look what the booklet for
Yxy(32.9556, 0.5522, 0.3845)
contains.

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Color

Yxy(32.9697, 0.5519, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	FF7023
RGB	255, 112, 35
RGB Percent	100%, 44%, 14%
CMY	0.0000, 0.5607, 0.8625
CMYK	0.00, 0.56, 0.86, 0.00
HSL	21°, 100%, 57%
HSV	21°, 86%, 100%
XYZ	47.3360, 32.9697, 5.4635
YIQ	145.9790, 109.9450, 6.3690

Conversions

Conversions Part 2

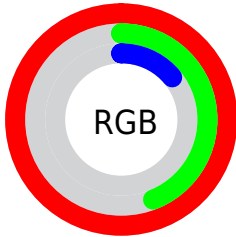
Format	Color
R_{YB}	255, 153, 35
Decimal	16740387
CIE _{Lab}	64.14, 50.91, 64.40
CIE _{LCh}	64, 82.093, 51.671
Yxy	32.9697, 0.5519, 0.3844
Android (android.graphics.Color)	4294930467 (0xFFFF7023)
YUV	145.9790, -54.7126, 95.6114
Hunter-Lab	57.4192, 46.6705, 34.5520

Details

The Yxy color **32.9697, 0.5519, 0.3844** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **39.4334, 0.1987, 0.2260**, and the grayscale version is **28.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6187, 0.4641, 0.4050**, and **13.9733, 0.5952, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **29.5427, 0.5783, 0.3761**, and if you desaturate by 10%, it is **37.1836, 0.5197, 0.3875**.

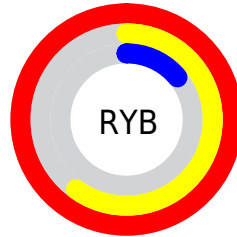
Distribution



Red (100%)

Green (44%)

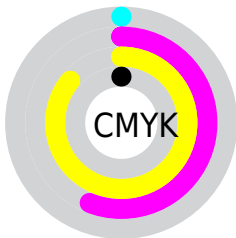
Blue (14%)



Red (100%)

Yellow (60%)

Blue (14%)

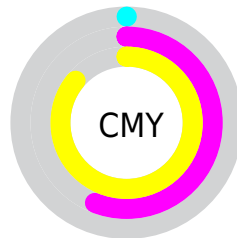


Cyan (0%)

Magenta (56%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (56%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9697, 0.5519, 0.3844 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 32.9697, 0.5519, 0.3844 by changing the saturation by 10% instead.


 32.9697, 0.5519,
0.3844


 32.9697, 0.5519,
0.3844


315.5132, 0.4337,
0.3731


 22.1032, 0.5771,
0.3806


 64.3282, 0.5115,
0.3851


 13.9328, 0.6059,
0.3722

 85.5891, 0.4954,
0.3839


 8.0739, 0.6420,
0.3580

 111.0835, 0.4815,
0.3823

 4.1423, 0.6733,
0.3267

 141.1959, 0.4693,
0.3805

 1.7535, 0.7194,
0.2806

 176.3107, 0.4587,
0.3786

 0.4579, 0.8126,
0.1874

 216.8122, 0.4494,

 0.0000, 1.0000,

0.3767

0.0000

263.0849, 0.4411,
0.3749

■ 0.0000, 0.0000,
0.0000

■ 32.9697, 0.5519,
0.3844

■ 32.9697, 0.5519,
0.3844

■ 29.5427, 0.5783,
0.3761

■ 37.1836, 0.5197,
0.3875


■ 28.4400, 0.5868,
0.3723

■ 42.2334, 0.4848,
0.3858

■ 48.1694, 0.4501,
0.3803

■ 55.0353, 0.4176,
0.3723

■ 62.8718, 0.3886,
0.3630

 71.7170, 0.3632,
0.3533

 81.6066, 0.3414,
0.3436

 92.5746, 0.3228,
0.3344

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



32.9697, 0.5326, 0.3079



32.9697, 0.5519, 0.3844



32.9697, 0.4943, 0.4699

Triad

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



32.9697, 0.5519, 0.3844



32.9697, 0.1885, 0.4432



32.9697, 0.1943, 0.1589

Complementary

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



32.9697, 0.5519, 0.3844



39.4334, 0.1987, 0.2260

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.



32.9697, 0.1377, 0.1609



32.9697, 0.5519, 0.3844



32.9697, 0.1313, 0.2921

Square

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



32.9697, 0.5519, 0.3844



32.9697, 0.2866, 0.5599



32.9697, 0.1173, 0.1992



32.9697, 0.2952, 0.1859

Rectangle

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



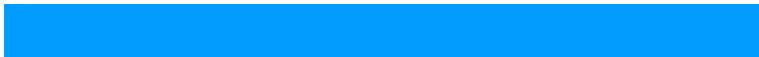
32.9697, 0.5519, 0.3844



32.9697, 0.4316, 0.5265



32.9697, 0.1173, 0.1992



32.9697, 0.1709, 0.1561

Sweetspot

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



32.9716, 0.5519, 0.3844



71.9573, 0.3626, 0.3530



25.8282, 0.4102, 0.2108



14.7191, 0.3709, 0.3564



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.



32.9716, 0.5519, 0.3844



28.4422, 0.5868, 0.3723



71.6973, 0.4437, 0.4770



19.0266, 0.3286, 0.3374



15.1134, 0.5838, 0.3746



1.6672, 0.5621, 0.3919

Inverse Universe

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



39.4334, 0.1987, 0.2260



34.4108, 0.1911, 0.2077



12.1759, 0.1630, 0.0943



19.3488, 0.2980, 0.3205



18.2711, 0.1917, 0.2099



1.9841, 0.1959, 0.2251

Previews

White Background



This preview shows how the Yxy color 32.9697, 0.5519, 0.3844 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 32.9697, 0.5519, 0.3844 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 32.9697, 0.5519, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 32.9697, 0.5519, 0.3844.



This preview shows how white text looks on a background with the Yxy color 32.9697, 0.5519, 0.3844.

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

32.9697, 0.5519, 0.3844

Protanopia

33.0882, 0.4262, 0.4691

Deuteranopia

33.0698, 0.4702, 0.4619



Tritanopia

32.9676, 0.4859, 0.3238

Trichromacy



Original Color

32.9697, 0.5519, 0.3844

Protanomaly

31.7607, 0.4756, 0.4354

Deuteranomaly

32.2770, 0.5040, 0.4316

Tritanomaly

32.8532, 0.5166, 0.3510

Monochromacy



Original Color

32.9697, 0.5519, 0.3844

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5299, 0.4054, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9697, 0.5519, 0.3844 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, 112, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 35)  
}
```

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, 112, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 35) }
```

Border

The CSS property to change the border of an element to Yxy 32.9697, 0.5519, 0.3844 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, 112, 35) }
```

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

```
.border{ border-color:rgb(255, 112, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9697, 0.5519, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 35) }
```

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

```
.background{ background-color: rgb(255,  
112, 35) }
```

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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