

Converting Colors

$Y_{xy}(32.8424, 0.5553, 0.3864)$

Have a look what the booklet for
Yxy(32.8424, 0.5553, 0.3864)
contains.

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Color

Yxy(32.9322, 0.5549, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	FF701C
RGB	255, 112, 28
RGB Percent	100%, 44%, 11%
CMY	0.0000, 0.5608, 0.8903
CMYK	0.00, 0.56, 0.89, 0.00
HSL	22°, 100%, 55%
HSV	22°, 89%, 100%
XYZ	47.2443, 32.9322, 4.9637
YIQ	145.1810, 112.1920, 4.1920

Conversions

Conversions Part 2

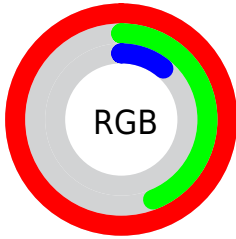
Format	Color
R _Y B	255, 161, 28
Decimal	16740380
CIE Lab	64.11, 50.79, 66.67
CIE LCh	64, 83.809, 52.700
Yxy	32.9322, 0.5549, 0.3868
Android (android.graphics.Color)	4294930460 (0xFFFF701C)
YUV	145.1810, -57.7702, 96.3113
Hunter-Lab	57.3866, 46.5259, 35.0423

Details

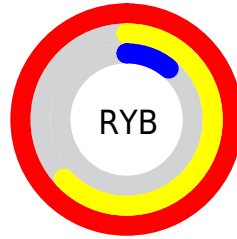
The Yxy color **32.9322, 0.5549, 0.3868** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **36.5822, 0.1951, 0.2157**, and the grayscale version is **28.5987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5220, 0.4683, 0.4096**, and **13.9733, 0.5952, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **29.6213, 0.5791, 0.3776**, and if you desaturate by 10%, it is **36.9779, 0.5248, 0.3911**.

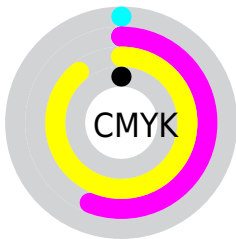
Distribution



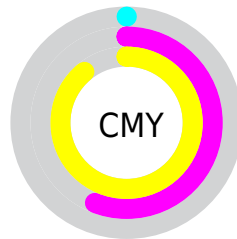
- Red (100%)
- Green (44%)
- Blue (11%)



- Red (100%)
- Yellow (63%)
- Blue (11%)



- Cyan (0%)
- Magenta (56%)
- Yellow (89%)
- Black (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9322, 0.5549, 0.3868 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 32.9322, 0.5549, 0.3868 by changing the saturation by 10% instead.


 32.9322, 0.5549,
0.3868


 32.9322, 0.5549,
0.3868


315.3441, 0.4361,
0.3753


 22.0745, 0.5797,
0.3827


 64.2697, 0.5146,
0.3878


 13.9117, 0.6083,
0.3741


 85.5182, 0.4985,
0.3866


 8.0592, 0.6417,
0.3583


 110.9992, 0.4844,
0.3849

 4.1329, 0.6730,
0.3270

 141.0970, 0.4722,
0.3830

 1.7482, 0.7191,
0.2809

 176.1960, 0.4615,
0.3811

 0.4546, 0.8129,
0.1871

 216.6806, 0.4520,

 0.0000, 1.0000,

0.3791

0.0000

262.9351, 0.4436,
0.3772

0.0000, 0.0000,
0.0000

32.9322, 0.5549,
0.3868

32.9322, 0.5549,
0.3868

29.6213, 0.5791,
0.3776

36.9779, 0.5248,
0.3911

29.3338, 0.5813,
0.3766

41.8104, 0.4913,
0.3902

47.4777, 0.4573,
0.3852

54.0216, 0.4249,
0.3773

61.4808, 0.3954,
0.3677

69.8914, 0.3694,
0.3575

79.2873, 0.3469,
0.3473

89.7005, 0.3277,
0.3374

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.



32.9322, 0.5392, 0.3094



32.9322, 0.5549, 0.3868



32.9322, 0.4935, 0.4740

Triad

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



32.9322, 0.5549, 0.3868



32.9322, 0.1831, 0.4402



32.9322, 0.1950, 0.1569

Complementary

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



32.9322, 0.5549, 0.3868



36.5822, 0.1951, 0.2157

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.



32.9322, 0.1364, 0.1577



32.9322, 0.5549, 0.3868



32.9322, 0.1273, 0.2864

Square

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



32.9322, 0.5549, 0.3868



32.9322, 0.2814, 0.5635



32.9322, 0.1148, 0.1946



32.9322, 0.2989, 0.1852

Rectangle

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



32.9322, 0.5549, 0.3868



32.9322, 0.4288, 0.5318



32.9322, 0.1148, 0.1946



32.9322, 0.1708, 0.1538

Sweetspot

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



32.9337, 0.5549, 0.3868



71.7155, 0.3646, 0.3554



25.0589, 0.4257, 0.2173



14.6975, 0.3728, 0.3589



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.



32.9337, 0.5549, 0.3868



29.3338, 0.5813, 0.3766



75.0487, 0.4397, 0.4831



19.0882, 0.3285, 0.3379



15.5883, 0.5783, 0.3790



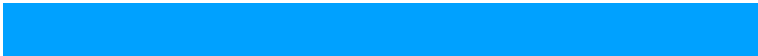
1.7184, 0.5569, 0.3960

Inverse Universe

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



36.5822, 0.1951, 0.2157



32.5759, 0.1890, 0.2004



10.5180, 0.1590, 0.0834



19.2849, 0.2979, 0.3200



17.3170, 0.1896, 0.2027



1.8953, 0.1941, 0.2187

Previews

White Background



This preview shows how the Yxy color 32.9322, 0.5549, 0.3868 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 32.9322, 0.5549, 0.3868 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 32.9322, 0.5549, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 32.9322, 0.5549, 0.3868.



This preview shows how white text looks on a background with the Yxy color 32.9322, 0.5549, 0.3868.

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

32.9322, 0.5549, 0.3868

Protanopia

33.0374, 0.4295, 0.4741

Deuteranopia

33.0501, 0.4716, 0.4637



Tritanopia

32.9676, 0.4859, 0.3238

Trichromacy



Original Color

32.9322, 0.5549, 0.3868

Protanomaly

31.7149, 0.4791, 0.4393

Deuteranomaly

32.2553, 0.5057, 0.4334

Tritanomaly

32.8065, 0.5197, 0.3535

Monochromacy



Original Color

32.9322, 0.5549, 0.3868

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.0487, 0.4095, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9322, 0.5549, 0.3868 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 28) }
```

Border

The CSS property to change the border of an element to Yxy 32.9322, 0.5549, 0.3868 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, 28) }
```

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

```
.border{ border-color:rgb(255, 112, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9322, 0.5549, 0.3868 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, 28) }
```

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

```
.background{ background-color: rgb(255,  
112, 28) }
```

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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