

Converting Colors

$Y_{xy}(32.2101, 0.5646, 0.3892)$

Have a look what the booklet for
Yxy(32.2101, 0.5646, 0.3892)
contains.

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Color

Yxy(32.2017, 0.5647, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	FF6D02
RGB	255, 109, 2
RGB Percent	100%, 43%, 1%
CMY	0.0000, 0.5725, 0.9916
CMYK	0.00, 0.57, 0.99, 0.00
HSL	25°, 100%, 50%
HSV	25°, 99%, 100%
XYZ	46.7223, 32.2017, 3.8142
YIQ	140.4560, 121.3630, -2.3250

Conversions

Conversions Part 2

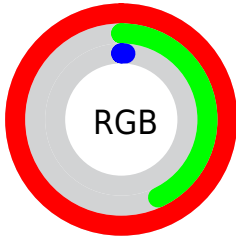
Format	Color
R _Y B	255, 187, 2
Decimal	16739586
CIE Lab	63.51, 51.90, 71.64
CIE LCh	64, 88.465, 54.083
Yxy	32.2017, 0.5647, 0.3892
Android (android.graphics.Color)	4294929666 (0xFFFF6D02)
YUV	140.4560, -68.2588, 100.4551
Hunter-Lab	56.7465, 47.6615, 35.7374

Details

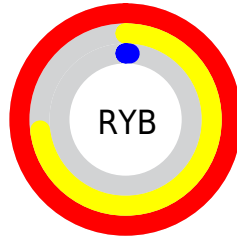
The Yxy color **32.2017, 0.5647, 0.3892** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **28.4568, 0.1842, 0.1827**, and the grayscale version is **26.6546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2531, 0.4793, 0.4158**, and **13.5855, 0.6003, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **31.9359, 0.5665, 0.3884**, and if you desaturate by 10%, it is **35.6885, 0.5420, 0.3978**.

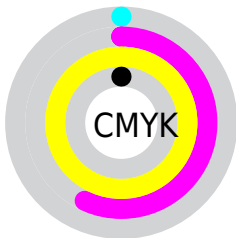
Distribution



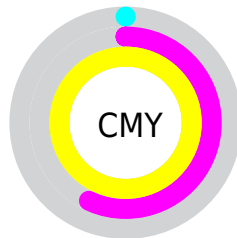
- Red (100%)
- Green (43%)
- Blue (1%)



- Red (100%)
- Yellow (73%)
- Blue (1%)



- Cyan (0%)
- Magenta (57%)
- Yellow (99%)
- Black (0%)




- Cyan (0%)
- Magenta (57%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2017, 0.5647, 0.3892 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 32.2017, 0.5647, 0.3892 by changing the saturation by 10% instead.


 32.2017, 0.5647,
0.3892


 32.2017, 0.5647,
0.3892


 312.0370, 0.4430,
0.3794

 21.5156, 0.5890,
0.3838


 63.1272, 0.5242,
0.3915


 13.5014, 0.6188,
0.3746


 84.1353, 0.5077,
0.3906


 7.7747, 0.6462,
0.3538


 109.3529, 0.4933,
0.3891

 3.9511, 0.6786,
0.3214

 139.1644, 0.4806,
0.3873

 1.6463, 0.7263,
0.2737

 173.9542, 0.4695,
0.3853


 0.3885, 0.8311,
0.1689

 214.1066, 0.4596,

 0.0000, 1.0000,

0.3833


0.0000


 260.0061, 0.4508,
0.3813


 0.0000, 0.0000,
0.0000

 32.2017, 0.5647,
0.3892


 32.2017, 0.5647,
0.3892


 31.9359, 0.5665,
0.3884

 35.6885, 0.5420,
0.3978

 39.8242, 0.5143,
0.4013

 44.6579, 0.4835,
0.3994

 50.2288, 0.4519,
0.3932

 56.5717, 0.4216,
0.3840

63.7190, 0.3936,
0.3732

71.7008, 0.3686,
0.3616

80.5454, 0.3467,
0.3499

90.2796, 0.3278,
0.3387

Harmonies

Analogous

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



32.2017, 0.5554, 0.3097



32.2017, 0.5647, 0.3892



32.2017, 0.4948, 0.4811

Triad

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



32.2017, 0.5647, 0.3892



32.2017, 0.1715, 0.4394



32.2017, 0.1929, 0.1503

Complementary

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



32.2017, 0.5647, 0.3892



28.4568, 0.1842, 0.1827

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.



32.2017, 0.1309, 0.1493



32.2017, 0.5647, 0.3892



32.2017, 0.1172, 0.2763

Square

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



32.2017, 0.5647, 0.3892



32.2017, 0.2716, 0.5775



32.2017, 0.1071, 0.1844



32.2017, 0.3036, 0.1808

Rectangle

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



32.2017, 0.5647, 0.3892



32.2017, 0.4254, 0.5437



32.2017, 0.1071, 0.1844



32.2017, 0.1673, 0.1466

Sweetspot

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



32.2023, 0.5647, 0.3892



70.9985, 0.3706, 0.3625



23.4969, 0.4627, 0.2326



14.4606, 0.3809, 0.3675



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.



32.2023, 0.5647, 0.3892



31.9359, 0.5665, 0.3884



80.0695, 0.4348, 0.4927



19.2488, 0.3284, 0.3391



16.9677, 0.5636, 0.3907



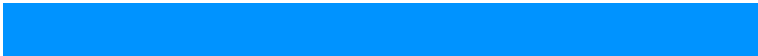
1.8628, 0.5434, 0.4067

Inverse Universe

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



28.4568, 0.1842, 0.1827



28.1602, 0.1837, 0.1814



7.8550, 0.1515, 0.0647



19.1198, 0.2979, 0.3187



15.0164, 0.1845, 0.1840



1.6786, 0.1895, 0.2021

Previews

White Background



This preview shows how the Yxy color 32.2017, 0.5647, 0.3892 looks on a white background.

Color Contrast Check

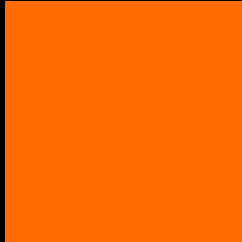
Large Text (above 18pt) WCAG AA × Fail

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 32.2017, 0.5647, 0.3892 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 32.2017, 0.5647, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 32.2017, 0.5647, 0.3892.



This preview shows how white text looks on a background with the Yxy color 32.2017, 0.5647, 0.3892.

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

32.2017, 0.5647, 0.3892

Protanopia

32.5073, 0.4351, 0.4820

Deuteranopia

32.1599, 0.4722, 0.4632



Tritanopia

32.2864, 0.4916, 0.3239

Trichromacy



Original Color

32.2017, 0.5647, 0.3892

Protanomaly

30.9109, 0.4872, 0.4454

Deuteranomaly

31.5290, 0.5090, 0.4337

Tritanomaly

32.0230, 0.5329, 0.3590

Monochromacy



Original Color

32.2017, 0.5647, 0.3892

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.3838, 0.4225, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2017, 0.5647, 0.3892 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 32.2017, 0.5647, 0.3892 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, 2) }
```

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

```
.border{ border-color:rgb(255, 109, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2017, 0.5647, 0.3892 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, 2) }
```

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

```
.background{ background-color: rgb(255,  
109, 2) }
```

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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