

Converting Colors

$Y_{xy}(32.3424, 0.5643, 0.3901)$

Have a look what the booklet for
Yxy(32.3424, 0.5643, 0.3901)
contains.

Yxy(32.4119, 0.5639, 0.3904)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.4119, 0.5639, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	FF6E00
RGB	255, 110, 0
RGB Percent	100%, 43%, 0%
CMY	0.0000, 0.5686, 0.9992
CMYK	0.00, 0.57, 1.00, 0.00
HSL	26°, 100%, 50%
HSV	26°, 100%, 100%
XYZ	46.8163, 32.4119, 3.7941
YIQ	140.8150, 121.7300, -3.4700

Conversions

Conversions Part 2

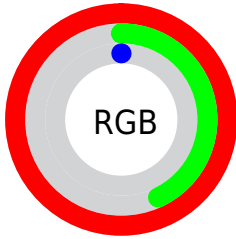
Format	Color
R_{YB}	255, 193, 0
Decimal	16739840
CIE _{Lab}	63.68, 51.42, 72.06
CIE _{LCh}	64, 88.520, 54.491
Yxy	32.4119, 0.5639, 0.3904
Android (android.graphics.Color)	4294929920 (0xFFFF6E00)
YUV	140.8150, -69.4218, 100.1402
Hunter-Lab	56.9315, 47.1553, 35.9007

Details

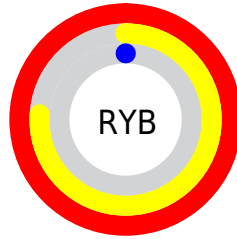
The Yxy color **32.4119, 0.5639, 0.3904** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.5289, 0.1830, 0.1786**, and the grayscale version is **26.8117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6125, 0.4784, 0.4167**, and **13.7755, 0.5978, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **32.3890, 0.5641, 0.3903**, and if you desaturate by 10%, it is **35.8785, 0.5417, 0.3991**.

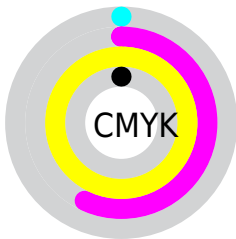
Distribution



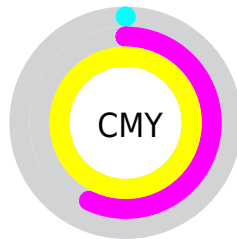
- Red (100%)
- Green (43%)
- Blue (0%)



- Red (100%)
- Yellow (76%)
- Blue (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4119, 0.5639, 0.3904 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 32.4119, 0.5639, 0.3904 by changing the saturation by 10% instead.


 32.4119, 0.5639,
0.3904


 32.4119, 0.5639,
0.3904

312.9913, 0.4428,
0.3800

 21.6763, 0.5880,
0.3851


 63.4563, 0.5237,
0.3926


 13.6192, 0.6176,
0.3761


 84.5338, 0.5073,
0.3916


 7.8563, 0.6445,
0.3555


 109.8275, 0.4929,
0.3900

 4.0032, 0.6765,
0.3235

 139.7217, 0.4803,
0.3881

 1.6753, 0.7236,
0.2764

 174.6007, 0.4692,
0.3861


 0.4076, 0.8251,
0.1749

 214.8491, 0.4594,


 0.0000, 1.0000,


0.3840


0.0000


 260.8512, 0.4507,
0.3820

 0.0000, 0.0000,
0.0000


 32.4119, 0.5639,
0.3904

 32.4119, 0.5639,
0.3904


 32.3890, 0.5641,
0.3903

 35.8785, 0.5417,
0.3991

 39.9740, 0.5147,
0.4028

 44.7505, 0.4845,
0.4012

 50.2462, 0.4533,
0.3951

 56.4956, 0.4232,
0.3859

■ 63.5300, 0.3953,
0.3749

■ 71.3790, 0.3702,
0.3631

■ 80.0701, 0.3482,
0.3512

■ 89.6296, 0.3291,
0.3398

Harmonies

Analogous

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



32.4119, 0.5559, 0.3108



32.4119, 0.5639, 0.3904



32.4119, 0.4934, 0.4824

Triad

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



32.4119, 0.5639, 0.3904



32.4119, 0.1706, 0.4368



32.4119, 0.1942, 0.1507

Complementary

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



32.4119, 0.5639, 0.3904



27.5289, 0.1830, 0.1786

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.



32.4119, 0.1317, 0.1493



32.4119, 0.5639, 0.3904



32.4119, 0.1171, 0.2746

Square

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



32.4119, 0.5639, 0.3904



32.4119, 0.2702, 0.5761



32.4119, 0.1074, 0.1838



32.4119, 0.3055, 0.1815

Rectangle

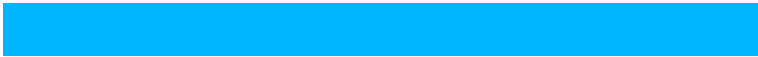
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.4119, 0.5639, 0.3904



32.4119, 0.4238, 0.5446



32.4119, 0.1074, 0.1838



32.4119, 0.1684, 0.1469

Sweetspot

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



32.4137, 0.5639, 0.3904



71.3165, 0.3704, 0.3632



23.4283, 0.4642, 0.2331



14.5353, 0.3806, 0.3682



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.



32.4137, 0.5639, 0.3904



32.3898, 0.5641, 0.3903



79.9712, 0.4350, 0.4928



19.2745, 0.3283, 0.3393



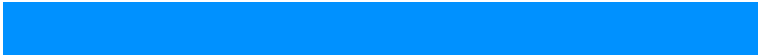
17.2074, 0.5612, 0.3926



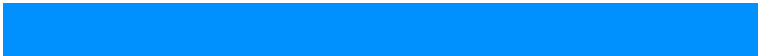
1.8874, 0.5412, 0.4084

Inverse Universe

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



27.5289, 0.1830, 0.1786



27.5021, 0.1829, 0.1784



7.7734, 0.1512, 0.0641



19.0936, 0.2979, 0.3185



14.6730, 0.1836, 0.1811



1.6458, 0.1887, 0.1994

Previews

White Background



This preview shows how the Yxy color 32.4119, 0.5639, 0.3904 looks on a white background.

Color Contrast Check

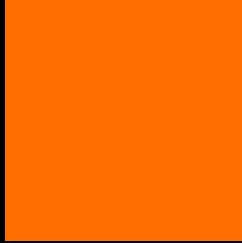
Large Text (above 18pt) WCAG AA × Fail

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 32.4119, 0.5639, 0.3904 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 32.4119, 0.5639, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 32.4119, 0.5639, 0.3904.



This preview shows how white text looks on a background with the Yxy color 32.4119, 0.5639, 0.3904.

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

32.4119, 0.5639, 0.3904

Protanopia

32.5073, 0.4351, 0.4820

Deuteranopia

32.4695, 0.4710, 0.4642



Tritanopia

32.5108, 0.4897, 0.3238

Trichromacy



Original Color

32.4119, 0.5639, 0.3904

Protanomaly

31.1962, 0.4862, 0.4468

Deuteranomaly

31.8019, 0.5079, 0.4349

Tritanomaly

32.2303, 0.5320, 0.3600

Monochromacy



Original Color

32.4119, 0.5639, 0.3904

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6485, 0.4217, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4119, 0.5639, 0.3904 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, 110, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 110, 0)  
}
```

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, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.4119, 0.5639, 0.3904 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, 110, 0) }
```

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

```
.border{ border-color:rgb(255, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4119, 0.5639, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 0) }
```

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

```
.background{ background-color: rgb(255,  
110, 0) }
```

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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