

Converting Colors

$Y_{xy}(29.9403, 0.5777, 0.3795)$

Have a look what the booklet for
Yxy(29.9403, 0.5777, 0.3795)
contains.

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Color

Yxy(29.9954, 0.5774, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	FF6200
RGB	255, 98, 0
RGB Percent	100%, 38%, 0%
CMY	0.0000, 0.6157, 0.9995
CMYK	0.00, 0.62, 1.00, 0.00
HSL	23°, 100%, 50%
HSV	23°, 100%, 100%
XYZ	45.6132, 29.9954, 3.3890
YIQ	133.7710, 125.0300, 2.8060

Conversions

Conversions Part 2

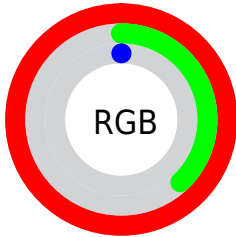
Format	Color
R_{YB}	255, 159, 0
Decimal	16736768
CIE _{Lab}	61.65, 56.76, 70.97
CIE _{LCh}	62, 90.875, 51.347
Yxy	29.9954, 0.5774, 0.3797
Android (android.graphics.Color)	4294926848 (0xFFFF6200)
YUV	133.7710, -65.9491, 106.3178
Hunter-Lab	54.7681, 52.8185, 34.6688

Details

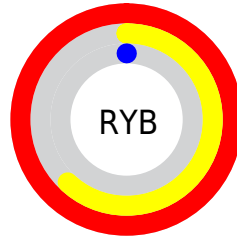
The Yxy color **29.9954, 0.5774, 0.3797** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **31.3800, 0.1876, 0.1954**, and the grayscale version is **23.9667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7886, 0.4899, 0.4075**, and **12.3364, 0.6157, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **29.9793, 0.5775, 0.3797**, and if you desaturate by 10%, it is **33.2997, 0.5539, 0.3891**.

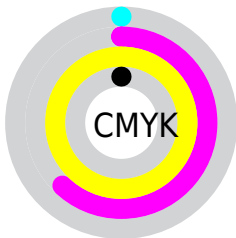
Distribution



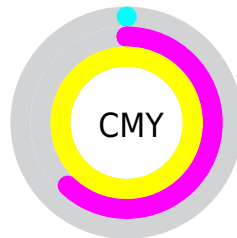
- Red (100%)
- Green (38%)
- Blue (0%)



- Red (100%)
- Yellow (62%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9954, 0.5774, 0.3797 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 29.9954, 0.5774, 0.3797 by changing the saturation by 10% instead.


 29.9954, 0.5774,
0.3797


 29.9954, 0.5774,
0.3797


301.8830, 0.4483,
0.3759


 19.8351, 0.6034,
0.3723


 59.6549, 0.5343,
0.3846

 12.2752, 0.6368,
0.3614


 79.9229, 0.5168,
0.3846


 6.9314, 0.6640,
0.3360


 104.3289, 0.5014,
0.3837

 3.4192, 0.7004,
0.2996

 133.2573, 0.4880,
0.3825

 1.3543, 0.7536,
0.2464

 167.0925, 0.4762,
0.3809


 0.1827, 0.9070,
0.0930

 206.2190, 0.4658,

 0.0000, 1.0000,


0.3793


0.0000

 251.0210, 0.4565,
0.3776


 0.0000, 0.0000,
0.0000


 29.9954, 0.5774,
0.3797


 29.9954, 0.5774,
0.3797


 29.9793, 0.5775,
0.3797

 33.2997, 0.5539,
0.3891

 37.3082, 0.5248,
0.3936

 42.0769, 0.4922,
0.3929

 47.6503, 0.4588,
0.3879

 54.0689, 0.4267,
0.3799

61.3697, 0.3974,
0.3701

69.5872, 0.3714,
0.3595

78.7539, 0.3487,
0.3489

88.9007, 0.3293,
0.3386

Harmonies

Analogous

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



29.9954, 0.5607, 0.2999



29.9954, 0.5774, 0.3797



29.9954, 0.5078, 0.4738

Triad

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



29.9954, 0.5774, 0.3797



29.9954, 0.1723, 0.4629



29.9954, 0.1803, 0.1429

Complementary

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



29.9954, 0.5774, 0.3797



31.3800, 0.1876, 0.1954

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.



29.9954, 0.1212, 0.1445



29.9954, 0.5774, 0.3797



29.9954, 0.1130, 0.2851

Square

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



29.9954, 0.5774, 0.3797



29.9954, 0.2779, 0.5977



29.9954, 0.1000, 0.1837



29.9954, 0.2900, 0.1713

Rectangle

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



29.9954, 0.5774, 0.3797



29.9954, 0.4365, 0.5415



29.9954, 0.1000, 0.1837



29.9954, 0.1556, 0.1400

Sweetspot

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



29.9938, 0.5774, 0.3797



69.5449, 0.3715, 0.3596



23.7072, 0.4502, 0.2254



14.1199, 0.3821, 0.3641



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.



29.9938, 0.5774, 0.3797



29.9793, 0.5775, 0.3797



75.2538, 0.4419, 0.4873



19.1304, 0.3285, 0.3382



15.9313, 0.5745, 0.3820



1.7548, 0.5534, 0.3988

Inverse Universe

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



31.3800, 0.1876, 0.1954



31.3631, 0.1876, 0.1953



8.1423, 0.1519, 0.0668



19.2412, 0.2979, 0.3197



16.6858, 0.1883, 0.1977



1.8363, 0.1929, 0.2143

Previews

White Background



This preview shows how the Yxy color 29.9954, 0.5774, 0.3797 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9954, 0.5774, 0.3797 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 29.9954, 0.5774, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 29.9954, 0.5774, 0.3797.



This preview shows how white text looks on a background with the Yxy color 29.9954, 0.5774, 0.3797.

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

29.9954, 0.5774, 0.3797

Protanopia

30.2077, 0.4339, 0.4814

Deuteranopia

30.0374, 0.4705, 0.4647



Tritanopia

29.9705, 0.5138, 0.3252

Trichromacy



Original Color

29.9954, 0.5774, 0.3797

Protanomaly

28.5494, 0.4936, 0.4400

Deuteranomaly

28.9188, 0.5144, 0.4298

Tritanomaly

29.7922, 0.5509, 0.3552

Monochromacy



Original Color

29.9954, 0.5774, 0.3797

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7956, 0.4300, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9954, 0.5774, 0.3797 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, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 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, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.9954, 0.5774, 0.3797 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, 98, 0) }
```

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

```
.border{ border-color:rgb(255, 98, 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, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 98, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.9954, 0.5774, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 0) }
```

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

```
.background{ background-color: rgb(255, 98,  
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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