

Converting Colors

$Y_{xy}(30.3118, 0.5676, 0.3875)$

Have a look what the booklet for
Yxy(30.3118, 0.5676, 0.3875)
contains.

Yxy(30.4271, 0.5671, 0.3879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4271, 0.5671, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	FA6900
RGB	250, 105, 0
RGB Percent	98%, 41%, 0%
CMY	0.0195, 0.5883, 0.9998
CMYK	0.00, 0.58, 1.00, 0.02
HSL	25°, 100%, 49%
HSV	25°, 100%, 98%
XYZ	44.4837, 30.4271, 3.5298
YIQ	136.3850, 120.1250, -1.9150

Conversions

Conversions Part 2

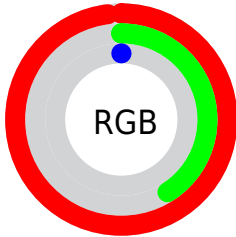
Format	Color
RYB	250, 181, 0
Decimal	16410880
CIELab	62.02, 51.90, 70.75
CIELCh	62, 87.745, 53.734
Yxy	30.4271, 0.5671, 0.3879
Android (android.graphics.Color)	4294600960 (0xFFFA6900)
YUV	136.3850, -67.2378, 99.6404
Hunter-Lab	55.1608, 47.4176, 34.8185

Details

The Yxy color **30.4271, 0.5671, 0.3879** 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 **27.1851, 0.1841, 0.1826**, and the grayscale version is **24.9976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8190, 0.4842, 0.4133**, and **12.5955, 0.6032, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **30.4223, 0.5671, 0.3879**, and if you desaturate by 10%, it is **33.7102, 0.5445, 0.3967**.

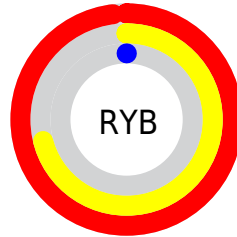
Distribution



Red (98%)

Green (41%)

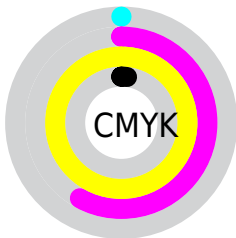
Blue (0%)



Red (98%)

Yellow (71%)

Blue (0%)

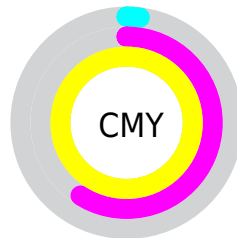


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4271, 0.5671, 0.3879 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 30.4271, 0.5671, 0.3879 by changing the saturation by 10% instead.


 30.4271, 0.5671,
0.3879


 30.4271, 0.5671,
0.3879


303.8902, 0.4431,
0.3788


 20.1630, 0.5920,
0.3820


 60.3370, 0.5257,
0.3907


 12.5136, 0.6237,
0.3727


 80.7515, 0.5089,
0.3899


 7.0945, 0.6503,
0.3497


 105.3183, 0.4941,
0.3885

 3.5212, 0.6845,
0.3155

 134.4218, 0.4813,
0.3867

 1.4095, 0.7353,
0.2647

 168.4463, 0.4699,
0.3847


 0.2237, 0.8809,
0.1191

 207.7763, 0.4599,

 0.0000, 1.0000,

0.3827

0.0000


 252.7961, 0.4511,
0.3807

 0.0000, 0.0000,
0.0000

 30.4271, 0.5671,
0.3879

 30.4271, 0.5671,
0.3879

 30.4223, 0.5671,
0.3879

 33.7102, 0.5445,
0.3967

 37.6095, 0.5170,
0.4007

 42.1767, 0.4863,
0.3992

 47.4495, 0.4546,
0.3934

 53.4619, 0.4240,
0.3844

60.2451, 0.3958,
0.3737

67.8282, 0.3705,
0.3623

76.2387, 0.3484,
0.3507

85.5024, 0.3292,
0.3395

Harmonies

Analogous

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



30.4271, 0.5571, 0.3083



30.4271, 0.5671, 0.3879



30.4271, 0.4968, 0.4805

Triad

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



30.4271, 0.5671, 0.3879



30.4271, 0.1710, 0.4428



30.4271, 0.1909, 0.1488

Complementary

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



30.4271, 0.5671, 0.3879



27.1851, 0.1841, 0.1826

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.



30.4271, 0.1292, 0.1482



30.4271, 0.5671, 0.3879



30.4271, 0.1161, 0.2770

Square

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



30.4271, 0.5671, 0.3879



30.4271, 0.2720, 0.5813



30.4271, 0.1056, 0.1837



30.4271, 0.3019, 0.1791

Rectangle

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



30.4271, 0.5671, 0.3879



30.4271, 0.4268, 0.5440



30.4271, 0.1056, 0.1837



30.4271, 0.1653, 0.1452

Sweetspot

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



30.4288, 0.5671, 0.3879



70.8903, 0.3707, 0.3623



22.4016, 0.4641, 0.2330



14.4352, 0.3810, 0.3672



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.



30.4288, 0.5671, 0.3879



31.7835, 0.5673, 0.3877



76.4765, 0.4350, 0.4928



18.4225, 0.3283, 0.3390



16.4026, 0.5643, 0.3902



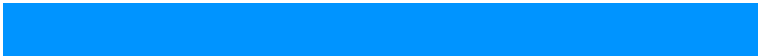
1.7236, 0.5430, 0.4070

Inverse Universe

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



27.1851, 0.1841, 0.1826



28.3876, 0.1840, 0.1824



7.4363, 0.1512, 0.0641



18.3162, 0.2980, 0.3188



14.7035, 0.1848, 0.1851



1.5714, 0.1900, 0.2040

Previews

White Background



This preview shows how the Yxy color 30.4271, 0.5671, 0.3879 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 30.4271, 0.5671, 0.3879 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 30.4271, 0.5671, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 30.4271, 0.5671, 0.3879.



This preview shows how white text looks on a background with the Yxy color 30.4271, 0.5671, 0.3879.

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

30.4271, 0.5671, 0.3879

Protanopia

30.6342, 0.4342, 0.4820

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.6175, 0.5013, 0.3240

Trichromacy



Original Color

30.4271, 0.5671, 0.3879

Protanomaly

29.0905, 0.4879, 0.4450

Deuteranomaly

29.6976, 0.5103, 0.4330

Tritanomaly

30.3962, 0.5400, 0.3585

Monochromacy



Original Color

30.4271, 0.5671, 0.3879

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.7025, 0.4232, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4271, 0.5671, 0.3879 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(250, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 105, 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(250, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4271, 0.5671, 0.3879 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(250, 105, 0) }
```

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

```
.border{ border-color:rgb(250, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 105,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4271, 0.5671, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 105, 0) }
```

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

```
.background{ background-color: rgb(250,  
105, 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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