

Converting Colors

$Y_{xy}(31.3909, 0.5607, 0.3783)$

Have a look what the booklet for
Yxy(31.3909, 0.5607, 0.3783)
contains.

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Color

Yxy(31.4730, 0.5604, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	FF6921
RGB	255, 105, 33
RGB Percent	100%, 41%, 13%
CMY	0.0000, 0.5883, 0.8705
CMYK	0.00, 0.59, 0.87, 0.00
HSL	19°, 100%, 56%
HSV	19°, 87%, 100%
XYZ	46.5737, 31.4730, 5.0613
YIQ	141.6420, 112.5120, 9.4080

Conversions

Conversions Part 2

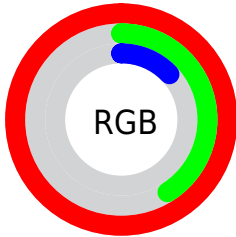
Format	Color
R _Y B	255, 140, 33
Decimal	16738593
CIE Lab	62.90, 54.08, 64.13
CIE LCh	63, 83.891, 49.860
Yxy	31.4730, 0.5604, 0.3787
Android (android.graphics.Color)	4294928673 (0xFFFF6921)
YUV	141.6420, -53.5605, 99.4150
Hunter-Lab	56.1008, 50.0106, 33.9216

Details

The Yxy color **31.4730, 0.5604, 0.3787** 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 **41.4311, 0.2004, 0.2330**, and the grayscale version is **27.0807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0735, 0.4721, 0.4005**, and **13.1438, 0.6063, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **28.2150, 0.5867, 0.3699**, and if you desaturate by 10%, it is **35.5437, 0.5275, 0.3826**.

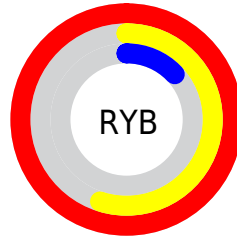
Distribution



Red (100%)

Green (41%)

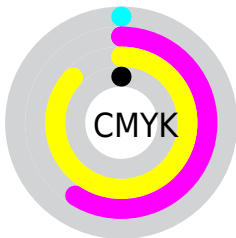
Blue (13%)



Red (100%)

Yellow (55%)

Blue (13%)

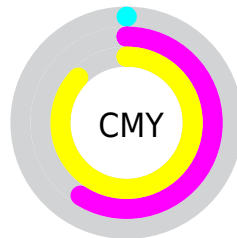


Cyan (0%)

Magenta (59%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (59%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4730, 0.5604, 0.3787 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 31.4730, 0.5604, 0.3787 by changing the saturation by 10% instead.


 31.4730, 0.5604,
0.3787


 31.4730, 0.5604,
0.3787


308.7115, 0.4373,
0.3711

 20.9593, 0.5867,
0.3737


 61.9840, 0.5182,
0.3810

 13.0942, 0.6171,
0.3638


 82.7501, 0.5014,
0.3804

 7.4935, 0.6535,
0.3465


 107.7024, 0.4869,
0.3791

 3.7726, 0.6874,
0.3126

 137.2254, 0.4743,
0.3776

 1.5472, 0.7371,
0.2629

 171.7034, 0.4633,
0.3760

 0.3216, 0.8549,
0.1451

 211.5208, 0.4535,

 0.0000, 1.0000,

0.3744

0.0000

257.0621, 0.4450,
0.3727

■ 0.0000, 0.0000,
0.0000

■ 31.4730, 0.5604,
0.3787

■ 31.4730, 0.5604,
0.3787

■ 28.2150, 0.5867,
0.3699

■ 35.5437, 0.5275,
0.3826


■ 27.3944, 0.5935,
0.3670

■ 40.4971, 0.4914,
0.3817

■ 46.3837, 0.4554,
0.3770

■ 53.2517, 0.4218,
0.3698

■ 61.1459, 0.3917,
0.3613

 70.1082, 0.3655,
0.3522

 80.1779, 0.3432,
0.3433

 91.3921, 0.3243,
0.3347

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.



31.4730, 0.5361, 0.3016



31.4730, 0.5604, 0.3787



31.4730, 0.5032, 0.4660

Triad

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



31.4730, 0.5604, 0.3787



31.4730, 0.1889, 0.4579



31.4730, 0.1860, 0.1537

Complementary

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



31.4730, 0.5604, 0.3787



41.4311, 0.2004, 0.2330

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.



31.4730, 0.1310, 0.1575



31.4730, 0.5604, 0.3787



31.4730, 0.1283, 0.2979

Square

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



31.4730, 0.5604, 0.3787



31.4730, 0.2909, 0.5728



31.4730, 0.1123, 0.1987



31.4730, 0.2866, 0.1796

Rectangle

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



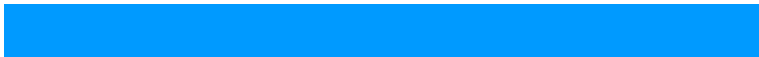
31.4730, 0.5604, 0.3787



31.4730, 0.4393, 0.5261



31.4730, 0.1123, 0.1987



31.4730, 0.1631, 0.1515

Sweetspot

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



31.4699, 0.5604, 0.3787



71.1088, 0.3630, 0.3513



25.8401, 0.4060, 0.2077



14.5207, 0.3715, 0.3544



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.



31.4699, 0.5604, 0.3787



27.3944, 0.5935, 0.3670



69.6182, 0.4475, 0.4746



18.9484, 0.3286, 0.3368



14.5534, 0.5905, 0.3693



1.6057, 0.5685, 0.3868

Inverse Universe

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



41.4311, 0.2004, 0.2330



36.8551, 0.1937, 0.2172



12.4051, 0.1631, 0.0959



19.4305, 0.2980, 0.3211



19.5406, 0.1942, 0.2192



2.1013, 0.1981, 0.2332

Previews

White Background



This preview shows how the Yxy color 31.4730, 0.5604, 0.3787 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 31.4730, 0.5604, 0.3787 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 31.4730, 0.5604, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 31.4730, 0.5604, 0.3787.



This preview shows how white text looks on a background with the Yxy color 31.4730, 0.5604, 0.3787.

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

31.4730, 0.5604, 0.3787

Protanopia

31.6299, 0.4254, 0.4695

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.4150, 0.4992, 0.3240

Trichromacy



Original Color

31.4730, 0.5604, 0.3787

Protanomaly

30.3250, 0.4790, 0.4328

Deuteranomaly

30.5907, 0.5101, 0.4291

Tritanomaly

31.3273, 0.5286, 0.3493

Monochromacy



Original Color

31.4730, 0.5604, 0.3787

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.7271, 0.4098, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4730, 0.5604, 0.3787 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, 105, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 33)  
}
```

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, 105, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 33) }
```

Border

The CSS property to change the border of an element to Yxy 31.4730, 0.5604, 0.3787 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, 105, 33) }
```

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

```
.border{ border-color:rgb(255, 105, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
33) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.4730, 0.5604, 0.3787$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 33) }
```

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

```
.background{ background-color: rgb(255,  
105, 33) }
```

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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