

Converting Colors

$Y_{xy}(31.2650, 0.5662, 0.3886)$

Have a look what the booklet for
Yxy(31.2650, 0.5662, 0.3886)
contains.

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Color

Yxy(31.2108, 0.5658, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	FC6B00
RGB	252, 107, 0
RGB Percent	99%, 42%, 0%
CMY	0.0117, 0.5804, 0.9994
CMYK	0.00, 0.58, 1.00, 0.01
HSL	25°, 100%, 49%
HSV	25°, 100%, 99%
XYZ	45.4077, 31.2108, 3.6355
YIQ	138.1570, 120.7670, -2.5370

Conversions

Conversions Part 2

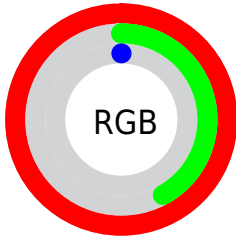
Format	Color
R_{YB}	252, 186, 0
Decimal	16542464
CIE _{Lab}	62.69, 51.71, 71.26
CIE _{LCh}	63, 88.047, 54.034
Yxy	31.2108, 0.5658, 0.3889
Android (android.graphics.Color)	4294732544 (0xFFFC6B00)
YUV	138.1570, -68.1114, 99.8403
Hunter-Lab	55.8666, 47.3161, 35.2484

Details

The Yxy color **31.2108, 0.5658, 0.3889** 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 **27.3381, 0.1836, 0.1811**, and the grayscale version is **25.7164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5303, 0.4817, 0.4145**, and **13.0208, 0.6015, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **31.1927, 0.5659, 0.3888**, and if you desaturate by 10%, it is **34.5678, 0.5434, 0.3977**.

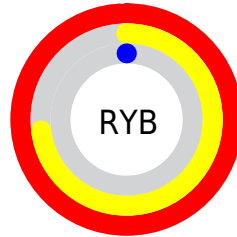
Distribution



Red (99%)

Green (42%)

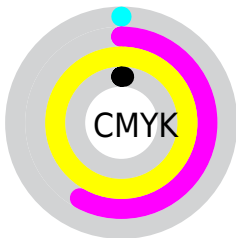
Blue (0%)



Red (99%)

Yellow (73%)

Blue (0%)

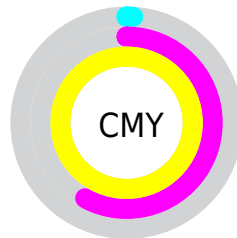


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2108, 0.5658, 0.3889 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 31.2108, 0.5658, 0.3889 by changing the saturation by 10% instead.


 31.2108, 0.5658,
0.3889


 31.2108, 0.5658,
0.3889


307.5083, 0.4430,
0.3793


 20.7594, 0.5904,
0.3832


 61.5718, 0.5249,
0.3914

 12.9483, 0.6212,
0.3741


 82.2502, 0.5082,
0.3906


 7.3929, 0.6479,
0.3521

 107.1064, 0.4937,
0.3891

 3.7090, 0.6813,
0.3187

 136.5248, 0.4809,
0.3872

 1.5122, 0.7306,
0.2694

 170.8898, 0.4697,
0.3852

 0.2973, 0.8554,
0.1446


 210.5858, 0.4597,


 0.0000, 1.0000,


0.3832

0.0000

 255.9972, 0.4509,
0.3812

 0.0000, 0.0000,
0.0000


 31.2108, 0.5658,
0.3889

 31.2108, 0.5658,
0.3889

 31.1927, 0.5659,
0.3888

 34.5678, 0.5434,
0.3977

 38.5464, 0.5161,
0.4015

 43.1984, 0.4855,
0.4000

 48.5618, 0.4540,
0.3940

 54.6707, 0.4236,
0.3850

61.5564, 0.3955,
0.3742

69.2481, 0.3704,
0.3626

77.7734, 0.3483,
0.3509

87.1583, 0.3291,
0.3396

Harmonies

Analogous

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



31.2108, 0.5566, 0.3093



31.2108, 0.5658, 0.3889



31.2108, 0.4954, 0.4812

Triad

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



31.2108, 0.5658, 0.3889



31.2108, 0.1708, 0.4403



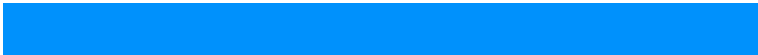
31.2108, 0.1922, 0.1496

Complementary

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



31.2108, 0.5658, 0.3889



27.3381, 0.1836, 0.1811

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.



31.2108, 0.1302, 0.1487



31.2108, 0.5658, 0.3889



31.2108, 0.1165, 0.2760

Square

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



31.2108, 0.5658, 0.3889



31.2108, 0.2713, 0.5792



31.2108, 0.1063, 0.1837



31.2108, 0.3033, 0.1801

Rectangle

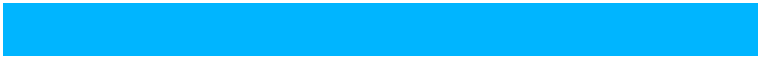
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.2108, 0.5658, 0.3889



31.2108, 0.4256, 0.5443



31.2108, 0.1063, 0.1837



31.2108, 0.1666, 0.1459

Sweetspot

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



31.2126, 0.5658, 0.3889



71.0579, 0.3706, 0.3627



22.8109, 0.4641, 0.2330



14.4745, 0.3808, 0.3676



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.



31.2126, 0.5658, 0.3889



32.0199, 0.5660, 0.3888



77.8663, 0.4350, 0.4928



18.4355, 0.3283, 0.3391



16.5239, 0.5630, 0.3912



1.7355, 0.5419, 0.4079

Inverse Universe

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



27.3381, 0.1836, 0.1811



28.0363, 0.1836, 0.1809



7.5722, 0.1512, 0.0641



18.3029, 0.2980, 0.3187



14.5256, 0.1843, 0.1836



1.5553, 0.1896, 0.2026

Previews

White Background



This preview shows how the Yxy color 31.2108, 0.5658, 0.3889 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 31.2108, 0.5658, 0.3889 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 31.2108, 0.5658, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 31.2108, 0.5658, 0.3889.



This preview shows how white text looks on a background with the Yxy color 31.2108, 0.5658, 0.3889.

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

31.2108, 0.5658, 0.3889

Protanopia

31.1803, 0.4352, 0.4814

Tritanopia

31.4150, 0.4992, 0.3240

Trichromacy



Original Color

31.2108, 0.5658, 0.3889

Protanomaly

29.9222, 0.4872, 0.4457

Tritanomaly

31.1887, 0.5377, 0.3586

Monochromacy



Original Color

31.2108, 0.5658, 0.3889

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.4670, 0.4228, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2108, 0.5658, 0.3889 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(252, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 107, 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(252, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.2108, 0.5658, 0.3889 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(252, 107, 0) }
```

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

```
.border{ border-color:rgb(252, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(252, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 107,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 31.2108, 0.5658, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 107, 0) }
```

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

```
.background{ background-color: rgb(252,  
107, 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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