

Converting Colors

$Y_{xy}(31.3090, 0.5620, 0.3920)$

Have a look what the booklet for
Yxy(31.3090, 0.5620, 0.3920)
contains.

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Color

Yxy(31.2613, 0.5624, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	FA6D00
RGB	250, 109, 0
RGB Percent	98%, 43%, 0%
CMY	0.0196, 0.5726, 0.9994
CMYK	0.00, 0.56, 1.00, 0.02
HSL	26°, 100%, 49%
HSV	26°, 100%, 98%
XYZ	44.8962, 31.2613, 3.6722
YIQ	138.7330, 119.0250, -4.0070

Conversions

Conversions Part 2

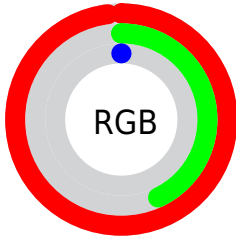
Format	Color
RYB	250, 193, 0
Decimal	16411904
CIELab	62.73, 50.05, 71.12
CIELCh	63, 86.968, 54.862
Yxy	31.2613, 0.5624, 0.3916
Android (android.graphics.Color)	4294601984 (0xFFFA6D00)
YUV	138.7330, -68.3954, 97.5812
Hunter-Lab	55.9118, 45.4867, 35.2442

Details

The Yxy color **31.2613, 0.5624, 0.3916** 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 **26.0038, 0.1825, 0.1771**, and the grayscale version is **25.9521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2406, 0.4799, 0.4164**, and **13.0467, 0.5968, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **31.2433, 0.5625, 0.3915**, and if you desaturate by 10%, it is **34.5895, 0.5403, 0.4002**.

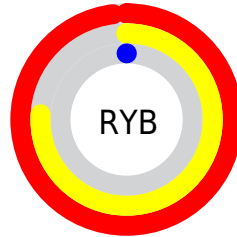
Distribution



Red (98%)

Green (43%)

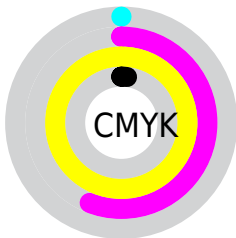
Blue (0%)



Red (98%)

Yellow (76%)

Blue (0%)

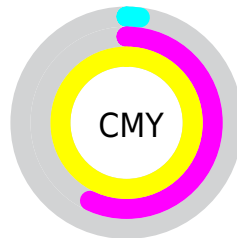


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2613, 0.5624, 0.3916 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 31.2613, 0.5624, 0.3916 by changing the saturation by 10% instead.

 31.2613, 0.5624,
0.3916


 31.2613, 0.5624,
0.3916


307.7403, 0.4412,
0.3802


 20.7979, 0.5867,
0.3864


 61.6512, 0.5220,
0.3934


 12.9764, 0.6170,
0.3778

 82.3466, 0.5056,
0.3923

 7.4123, 0.6435,
0.3565


 107.2213, 0.4912,
0.3906

 3.7212, 0.6761,
0.3239

 136.6599, 0.4786,
0.3886

 1.5189, 0.7247,
0.2753

 171.0467, 0.4675,
0.3865


 0.3020, 0.8492,
0.1508


 210.7661, 0.4577,


 0.0000, 1.0000,

0.3843


0.0000


 256.2025, 0.4490,
0.3822


 0.0000, 0.0000,
0.0000

 31.2613, 0.5624,
0.3916


 31.2613, 0.5624,
0.3916


 31.2433, 0.5625,
0.3915

 34.5895, 0.5403,
0.4002

 38.5110, 0.5135,
0.4038

 43.0752, 0.4836,
0.4019

 48.3179, 0.4527,
0.3957

 54.2714, 0.4227,
0.3864

60.9651, 0.3950,
0.3753

68.4267, 0.3701,
0.3634

76.6822, 0.3481,
0.3514

85.7560, 0.3291,
0.3399

Harmonies

Analogous

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



31.2613, 0.5554, 0.3121



31.2613, 0.5624, 0.3916



31.2613, 0.4917, 0.4833

Triad

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



31.2613, 0.5624, 0.3916



31.2613, 0.1704, 0.4339



31.2613, 0.1958, 0.1516

Complementary

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



31.2613, 0.5624, 0.3916



26.0038, 0.1825, 0.1771

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.



31.2613, 0.1329, 0.1499



31.2613, 0.5624, 0.3916



31.2613, 0.1175, 0.2735

Square

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



31.2613, 0.5624, 0.3916



31.2613, 0.2693, 0.5736



31.2613, 0.1082, 0.1837



31.2613, 0.3073, 0.1827

Rectangle

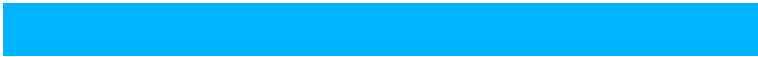
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.2613, 0.5624, 0.3916



31.2613, 0.4224, 0.5449



31.2613, 0.1082, 0.1837



31.2613, 0.1699, 0.1476

Sweetspot

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



31.2631, 0.5624, 0.3916



71.4939, 0.3703, 0.3635



22.2743, 0.4711, 0.2369



14.5769, 0.3805, 0.3686



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.



31.2631, 0.5624, 0.3916



32.6469, 0.5627, 0.3914



78.8034, 0.4317, 0.4954



18.4691, 0.3283, 0.3394



16.8455, 0.5597, 0.3938



1.7668, 0.5389, 0.4103

Inverse Universe

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



26.0038, 0.1825, 0.1771



27.1415, 0.1825, 0.1768



7.2990, 0.1509, 0.0631



18.2687, 0.2980, 0.3184



14.0723, 0.1832, 0.1796



1.5143, 0.1886, 0.1990

Previews

White Background



This preview shows how the Yxy color 31.2613, 0.5624, 0.3916 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 31.2613, 0.5624, 0.3916 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 31.2613, 0.5624, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 31.2613, 0.5624, 0.3916.



This preview shows how white text looks on a background with the Yxy color 31.2613, 0.5624, 0.3916.

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

31.2613, 0.5624, 0.3916

Protanopia

31.5063, 0.4341, 0.4824

Deuteranopia

31.1530, 0.4719, 0.4635



Tritanopia

31.2727, 0.4943, 0.3229

Trichromacy



Original Color

31.2613, 0.5624, 0.3916

Protanomaly

30.2052, 0.4859, 0.4468

Deuteranomaly

30.3787, 0.5085, 0.4344

Tritanomaly

31.0257, 0.5345, 0.3592

Monochromacy



Original Color

31.2613, 0.5624, 0.3916

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.7433, 0.4209, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2613, 0.5624, 0.3916 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, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 109, 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, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.2613, 0.5624, 0.3916 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, 109, 0) }
```

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

```
.border{ border-color:rgb(250, 109, 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, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 109,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2613, 0.5624, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 109, 0) }
```

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

```
.background{ background-color: rgb(250,  
109, 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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