

Converting Colors

$Y_{xy}(31.5336, 0.5577, 0.3899)$

Have a look what the booklet for
Yxy(31.5336, 0.5577, 0.3899)
contains.

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Color

Yxy(31.5163, 0.5578, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	FA6E11
RGB	250, 110, 17
RGB Percent	98%, 43%, 7%
CMY	0.0196, 0.5686, 0.9333
CMYK	0.00, 0.56, 0.93, 0.02
HSL	24°, 96%, 52%
HSV	24°, 93%, 98%
XYZ	45.0995, 31.5163, 4.2367
YIQ	141.2580, 113.2930, 0.7570

Conversions

Conversions Part 2

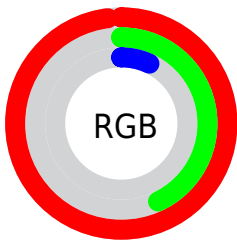
Format	Color
R_{YB}	250, 172, 17
Decimal	16412177
CIE _{Lab}	62.94, 49.72, 68.33
CIE _{LCh}	63, 84.508, 53.959
Yxy	31.5163, 0.5578, 0.3898
Android (android.graphics.Color)	4294602257 (0xFFFA6E11)
YUV	141.2580, -61.2592, 95.3667
Hunter-Lab	56.1394, 45.1539, 34.8231

Details

The Yxy color **31.5163, 0.5578, 0.3898** 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 **31.1296, 0.1899, 0.2001**, and the grayscale version is **26.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6921, 0.4747, 0.4127**, and **13.1426, 0.5955, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **29.3979, 0.5730, 0.3832**, and if you desaturate by 10%, it is **35.1657, 0.5311, 0.3959**.

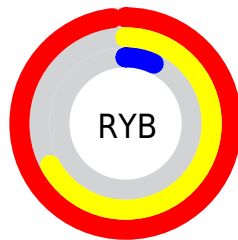
Distribution



Red (98%)

Green (43%)

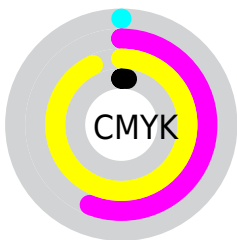
Blue (7%)



Red (98%)

Yellow (67%)

Blue (7%)

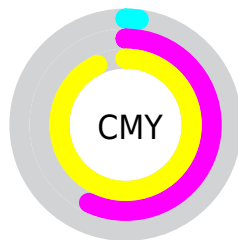


Cyan (0%)

Magenta (56%)

Yellow (93%)

Black (2%)



Cyan (2%)


Magenta (57%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5163, 0.5578, 0.3898 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 31.5163, 0.5578, 0.3898 by changing the saturation by 10% instead.


 31.5163, 0.5578,
0.3898


 31.5163, 0.5578,
0.3898


308.9099, 0.4378,
0.3778

 20.9923, 0.5825,
0.3853


 62.0520, 0.5173,
0.3910

 13.1184, 0.6119,
0.3766


 82.8326, 0.5010,
0.3897

 7.5101, 0.6420,
0.3580

 107.8007, 0.4868,
0.3880

 3.7831, 0.6743,
0.3257

 137.3409, 0.4744,
0.3860

 1.5530, 0.7222,
0.2778

 171.8375, 0.4635,
0.3839

 0.3256, 0.8411,
0.1589

 211.6750, 0.4539,


 0.0000, 1.0000,


0.3818


0.0000


 257.2376, 0.4454,
0.3797


 0.0000, 0.0000,
0.0000

 31.5163, 0.5578,
0.3898


 31.5163, 0.5578,
0.3898


 29.3979, 0.5730,
0.3832

 35.1657, 0.5311,
0.3959

 39.4998, 0.5001,
0.3965

 44.5625, 0.4674,
0.3923

 50.3913, 0.4354,
0.3848

 57.0206, 0.4056,
0.3750

64.4824, 0.3789,
0.3642

72.8065, 0.3555,
0.3532

82.0212, 0.3352,
0.3424

92.1535, 0.3177,
0.3321

Harmonies

Analogous

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



31.5163, 0.5467, 0.3114



31.5163, 0.5578, 0.3898



31.5163, 0.4919, 0.4789

Triad

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



31.5163, 0.5578, 0.3898



31.5163, 0.1768, 0.4358



31.5163, 0.1963, 0.1548

Complementary

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



31.5163, 0.5578, 0.3898



31.1296, 0.1899, 0.2001

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.



31.5163, 0.1354, 0.1542



31.5163, 0.5578, 0.3898



31.5163, 0.1228, 0.2796

Square

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



31.5163, 0.5578, 0.3898



31.5163, 0.2751, 0.5671



31.5163, 0.1120, 0.1893



31.5163, 0.3038, 0.1846

Rectangle

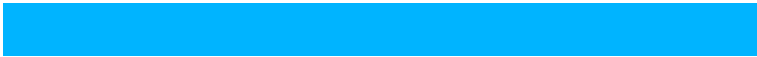
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5163, 0.5578, 0.3898



31.5163, 0.4250, 0.5382



31.5163, 0.1120, 0.1893



31.5163, 0.1711, 0.1512

Sweetspot

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



31.5181, 0.5578, 0.3898



71.8424, 0.3664, 0.3585



23.2856, 0.4386, 0.2219



14.5890, 0.3768, 0.3633



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.



31.5181, 0.5578, 0.3898



30.7227, 0.5732, 0.3831



73.0371, 0.4389, 0.4867



18.3623, 0.3284, 0.3385



15.8574, 0.5701, 0.3855



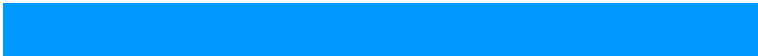
1.6696, 0.5483, 0.4029

Inverse Universe

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



31.1296, 0.1899, 0.2001



30.0693, 0.1861, 0.1898



8.8364, 0.1553, 0.0746



18.3779, 0.2980, 0.3193



15.5543, 0.1868, 0.1924



1.6479, 0.1918, 0.2104

Previews

White Background



This preview shows how the Yxy color 31.5163, 0.5578, 0.3898 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 31.5163, 0.5578, 0.3898 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 31.5163, 0.5578, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 31.5163, 0.5578, 0.3898.



This preview shows how white text looks on a background with the Yxy color 31.5163, 0.5578, 0.3898.

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

31.5163, 0.5578, 0.3898

Protanopia

31.6469, 0.4332, 0.4787

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.4895, 0.4924, 0.3229

Trichromacy



Original Color

31.5163, 0.5578, 0.3898

Protanomaly

30.2409, 0.4830, 0.4434

Deuteranomaly

30.8118, 0.5069, 0.4337

Tritanomaly

31.3204, 0.5269, 0.3549

Monochromacy



Original Color

31.5163, 0.5578, 0.3898

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6335, 0.4137, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5163, 0.5578, 0.3898 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, 110, 17)` looks like.

```
.text, #text, p{  
    color:rgb(250, 110, 17)  
}
```

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, 110, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 110, 17) }
```

Border

The CSS property to change the border of an element to Yxy 31.5163, 0.5578, 0.3898 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, 110, 17) }
```

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

```
.border{ border-color:rgb(250, 110, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 110, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 110, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 110, 17);  
box-shadow:4px 4px 4px 4px rgb(250, 110,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5163, 0.5578, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 110, 17) }
```

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

```
.background{ background-color: rgb(250,  
110, 17) }
```

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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