

Converting Colors

$Y_{xy}(31.9156, 0.5617, 0.3840)$

Have a look what the booklet for
Yxy(31.9156, 0.5617, 0.3840)
contains.

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Color

Yxy(31.8373, 0.5622, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B17
RGB	255, 107, 23
RGB Percent	100%, 42%, 9%
CMY	0.0000, 0.5805, 0.9097
CMYK	0.00, 0.58, 0.91, 0.00
HSL	22°, 100%, 55%
HSV	22°, 91%, 100%
XYZ	46.6604, 31.8373, 4.4984
YIQ	141.6760, 115.1720, 5.2520

Conversions

Conversions Part 2

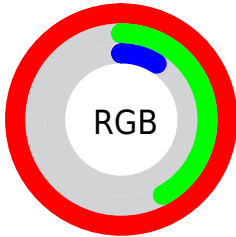
Format	Color
R _Y B	255, 155, 23
Decimal	16739095
CIE Lab	63.21, 53.02, 67.43
CIE LCh	63, 85.774, 51.821
Yxy	31.8373, 0.5622, 0.3836
Android (android.graphics.Color)	4294929175 (0xFFFF6B17)
YUV	141.6760, -58.5073, 99.3851
Hunter-Lab	56.4246, 48.8680, 34.7704

Details

The Yxy color **31.8373, 0.5622, 0.3836** 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 **36.5495, 0.1946, 0.2157**, and the grayscale version is **27.1140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6798, 0.4747, 0.4070**, and **13.4031, 0.6027, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **28.9632, 0.5836, 0.3748**, and if you desaturate by 10%, it is **35.7071, 0.5328, 0.3891**.

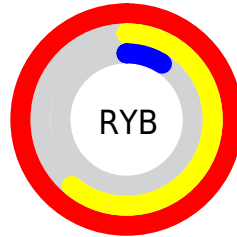
Distribution



Red (100%)

Green (42%)

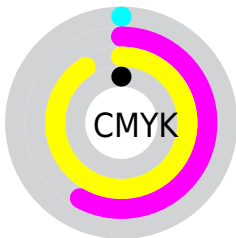
Blue (9%)



Red (100%)

Yellow (61%)

Blue (9%)

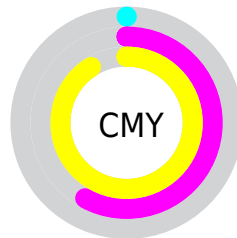


Cyan (0%)

Magenta (58%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8373, 0.5622, 0.3836 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 31.8373, 0.5622, 0.3836 by changing the saturation by 10% instead.

 31.8373, 0.5622,
0.3836


 31.8373, 0.5622,
0.3836


310.3774, 0.4397,
0.3748

 21.2373, 0.5876,
0.3785


 62.5559, 0.5208,
0.3858


 13.2975, 0.6175,
0.3688


 83.4433, 0.5041,
0.3850

 7.6338, 0.6499,
0.3501


 108.5286, 0.4896,
0.3837

 3.8615, 0.6830,
0.3170

 138.1962, 0.4770,
0.3820

 1.5964, 0.7318,
0.2682

 172.8305, 0.4659,
0.3802

 0.3552, 0.8428,
0.1572

 212.8159, 0.4561,

 0.0000, 1.0000,

0.3784


0.0000


 258.5367, 0.4474,
0.3766


 0.0000, 0.0000,
0.0000


 31.8373, 0.5622,
0.3836


 31.8373, 0.5622,
0.3836


 28.9632, 0.5836,
0.3748

 35.7071, 0.5328,
0.3891

 40.3731, 0.4993,
0.3893

 45.8806, 0.4648,
0.3851

 52.2735, 0.4316,
0.3779

 59.5923, 0.4013,
0.3688

67.8744, 0.3744,
0.3588

77.1551, 0.3511,
0.3488

87.4679, 0.3312,
0.3390

98.8445, 0.3142,
0.3299

Harmonies

Analogous

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



31.8373, 0.5446, 0.3055



31.8373, 0.5622, 0.3836



31.8373, 0.4993, 0.4728

Triad

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



31.8373, 0.5622, 0.3836



31.8373, 0.1811, 0.4494



31.8373, 0.1893, 0.1524

Complementary

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



31.8373, 0.5622, 0.3836



36.5495, 0.1946, 0.2157

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.



31.8373, 0.1312, 0.1539



31.8373, 0.5622, 0.3836



31.8373, 0.1234, 0.2880

Square

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



31.8373, 0.5622, 0.3836



31.8373, 0.2822, 0.5745



31.8373, 0.1101, 0.1922



31.8373, 0.2943, 0.1803

Rectangle

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



31.8373, 0.5622, 0.3836



31.8373, 0.4330, 0.5338



31.8373, 0.1101, 0.1922



31.8373, 0.1652, 0.1495

Sweetspot

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



31.8339, 0.5622, 0.3836



71.4329, 0.3647, 0.3548



24.9231, 0.4229, 0.2144



14.6317, 0.3730, 0.3583



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.



31.8339, 0.5622, 0.3836



28.9632, 0.5836, 0.3748



72.6165, 0.4441, 0.4810



19.0631, 0.3285, 0.3377



15.3911, 0.5806, 0.3772



1.6972, 0.5590, 0.3943

Inverse Universe

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



36.5495, 0.1946, 0.2157



33.3144, 0.1898, 0.2034



10.4119, 0.1581, 0.0827



19.3109, 0.2980, 0.3202



17.7012, 0.1905, 0.2056



1.9311, 0.1948, 0.2213

Previews

White Background



This preview shows how the Yxy color 31.8373, 0.5622, 0.3836 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 31.8373, 0.5622, 0.3836 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 31.8373, 0.5622, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 31.8373, 0.5622, 0.3836.



This preview shows how white text looks on a background with the Yxy color 31.8373, 0.5622, 0.3836.

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

31.8373, 0.5622, 0.3836

Protanopia

32.0032, 0.4302, 0.4768

Deuteranopia

31.7201, 0.4725, 0.4630



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.8373, 0.5622, 0.3836

Protanomaly

30.5468, 0.4826, 0.4394

Deuteranomaly

30.8491, 0.5096, 0.4309

Tritanomaly

31.6965, 0.5289, 0.3527

Monochromacy



Original Color

31.8373, 0.5622, 0.3836

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.6686, 0.4133, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8373, 0.5622, 0.3836 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, 107, 23)` looks like.

```
.text, #text, p{  
  color:rgb(255, 107, 23)  
}
```

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, 107, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 23) }
```

Border

The CSS property to change the border of an element to Yxy 31.8373, 0.5622, 0.3836 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, 107, 23) }
```

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

```
.border{ border-color:rgb(255, 107, 23) }
```

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

Here you see how a box with a 4 pixel rgb(255, 107, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8373, 0.5622, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 23) }
```

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

```
.background{ background-color: rgb(255,  
107, 23) }
```

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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