

Converting Colors

$Yxy(31.8044, 0.5649, 0.3858)$

Have a look what the booklet for
Yxy(31.8044, 0.5649, 0.3858)
contains.

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Color

Yxy(31.8044, 0.5649, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B0D
RGB	255, 107, 13
RGB Percent	100%, 42%, 5%
CMY	0.0000, 0.5803, 0.9491
CMYK	0.00, 0.58, 0.95, 0.00
HSL	23°, 100%, 53%
HSV	23°, 95%, 100%
XYZ	46.5690, 31.8044, 4.0642
YIQ	140.5360, 118.3820, 2.1420

Conversions

Conversions Part 2

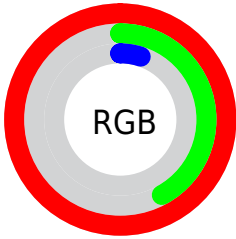
Format	Color
R _Y B	255, 167, 13
Decimal	16739085
CIE Lab	63.18, 52.88, 69.68
CIE LCh	63, 87.472, 52.806
Yxy	31.8044, 0.5649, 0.3858
Android (android.graphics.Color)	4294929165 (0xFFFF6B0D)
YUV	140.5360, -62.8752, 100.3849
Hunter-Lab	56.3954, 48.7059, 35.2040

Details

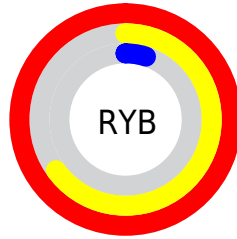
The Yxy color **31.8044, 0.5649, 0.3858** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **32.7799, 0.1899, 0.2011**, and the grayscale version is **26.6619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5951, 0.4786, 0.4112**, and **13.4031, 0.6027, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **30.1977, 0.5762, 0.3807**, and if you desaturate by 10%, it is **35.4702, 0.5388, 0.3930**.

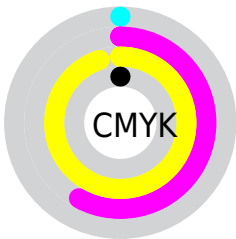
Distribution



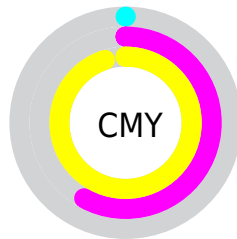
- Red (100%)
- Green (42%)
- Blue (5%)



- Red (100%)
- Yellow (65%)
- Blue (5%)



- Cyan (0%)
- Magenta (58%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8044, 0.5649, 0.3858 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 31.8044, 0.5649, 0.3858 by changing the saturation by 10% instead.

 31.8044, 0.5649,
0.3858


 31.8044, 0.5649,
0.3858


310.2273, 0.4420,
0.3770

 21.2121, 0.5899,
0.3803


 62.5043, 0.5237,
0.3883


 13.2792, 0.6200,
0.3707

 83.3808, 0.5070,
0.3876


 7.6211, 0.6496,
0.3504


 108.4541, 0.4925,
0.3862

 3.8534, 0.6827,
0.3173

 138.1086, 0.4797,
0.3845

 1.5919, 0.7315,
0.2685

 172.7289, 0.4685,
0.3826


 0.3521, 0.8432,
0.1568

 212.6991, 0.4586,

 0.0000, 1.0000,


0.3807


0.0000


 258.4038, 0.4499,
0.3788

 0.0000, 0.0000,
0.0000

 31.8044, 0.5649,
0.3858

 31.8044, 0.5649,
0.3858

 30.1977, 0.5762,
0.3807

 35.4702, 0.5388,
0.3930

 39.8623, 0.5078,
0.3948

 45.0296, 0.4747,
0.3916

 51.0136, 0.4419,
0.3848

 57.8523, 0.4113,
0.3756

65.5809, 0.3837,
0.3652

74.2323, 0.3595,
0.3544

83.8375, 0.3385,
0.3438

94.4262, 0.3206,
0.3337

Harmonies

Analogous

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



31.8044, 0.5512, 0.3069



31.8044, 0.5649, 0.3858



31.8044, 0.4982, 0.4767

Triad

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



31.8044, 0.5649, 0.3858



31.8044, 0.1759, 0.4462



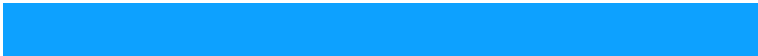
31.8044, 0.1900, 0.1505

Complementary

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



31.8044, 0.5649, 0.3858



32.7799, 0.1899, 0.2011

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.



31.8044, 0.1301, 0.1509



31.8044, 0.5649, 0.3858



31.8044, 0.1196, 0.2824

Square

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



31.8044, 0.5649, 0.3858



31.8044, 0.2770, 0.5782



31.8044, 0.1077, 0.1878



31.8044, 0.2981, 0.1796

Rectangle

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



31.8044, 0.5649, 0.3858



31.8044, 0.4299, 0.5391



31.8044, 0.1077, 0.1878



31.8044, 0.1652, 0.1472

Sweetspot

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



31.8062, 0.5649, 0.3858



71.4630, 0.3666, 0.3578



24.1627, 0.4416, 0.2227



14.4991, 0.3771, 0.3624



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.



31.8062, 0.5649, 0.3858



30.1991, 0.5762, 0.3807



76.0945, 0.4398, 0.4870



19.1444, 0.3285, 0.3383



16.0480, 0.5733, 0.3830



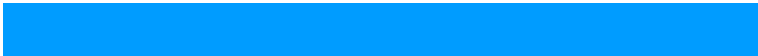
1.7671, 0.5522, 0.3998

Inverse Universe

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



32.7799, 0.1899, 0.2011



30.9696, 0.1871, 0.1937



8.9056, 0.1543, 0.0723



19.2268, 0.2979, 0.3195



16.4810, 0.1878, 0.1961



1.8170, 0.1925, 0.2128

Previews

White Background



This preview shows how the Yxy color 31.8044, 0.5649, 0.3858 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 31.8044, 0.5649, 0.3858 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 31.8044, 0.5649, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 31.8044, 0.5649, 0.3858.



This preview shows how white text looks on a background with the Yxy color 31.8044, 0.5649, 0.3858.

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

31.8044, 0.5649, 0.3858

Protanopia

32.0793, 0.4339, 0.4799

Deuteranopia

32.0271, 0.4713, 0.4640



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.8044, 0.5649, 0.3858

Protanomaly

30.6497, 0.4865, 0.4421

Deuteranomaly

31.1124, 0.5088, 0.4325

Tritanomaly

31.6417, 0.5328, 0.3557

Monochromacy



Original Color

31.8044, 0.5649, 0.3858

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.4537, 0.4179, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8044, 0.5649, 0.3858 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 13) }
```

Border

The CSS property to change the border of an element to Yxy 31.8044, 0.5649, 0.3858 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, 13) }
```

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

```
.border{ border-color:rgb(255, 107, 13) }
```

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, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8044, 0.5649, 0.3858 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, 13) }
```

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

```
.background{ background-color: rgb(255,  
107, 13) }
```

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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