

Converting Colors

$Y_{xy}(37.2078, 0.5317, 0.3960)$

Have a look what the booklet for
Yxy(37.2078, 0.5317, 0.3960)
contains.

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Color

Yxy(36.8728, 0.5307, 0.3962)

Conversions

Conversions Part 1

Format	Color
Hex	FF802B
RGB	255, 128, 43
RGB Percent	100%, 50%, 17%
CMY	0.0001, 0.4980, 0.8312
CMYK	0.00, 0.50, 0.83, 0.00
HSL	24°, 100%, 58%
HSV	24°, 83%, 100%
XYZ	49.3902, 36.8728, 6.8031
YIQ	156.2830, 102.9770, 0.4890

Conversions

Conversions Part 2

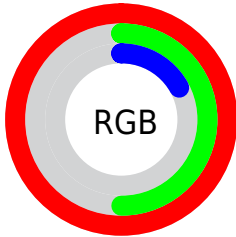
Format	Color
R _Y B	255, 185, 43
Decimal	16744491
CIE Lab	67.18, 43.44, 64.05
CIE LCh	67, 77.394, 55.857
Yxy	36.8728, 0.5307, 0.3962
Android (android.graphics.Color)	4294934571 (0xFFFF802B)
YUV	156.2830, -55.8485, 86.5748
Hunter-Lab	60.7230, 38.9212, 35.8635

Details

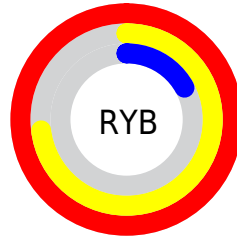
The Yxy color **36.8728, 0.5307, 0.3962** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **36.4814, 0.1968, 0.2149**, and the grayscale version is **33.6035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9715, 0.4467, 0.4148**, and **16.2452, 0.5706, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **33.0523, 0.5574, 0.3902**, and if you desaturate by 10%, it is **41.4139, 0.4997, 0.3968**.

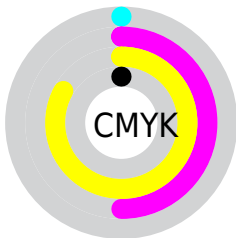
Distribution



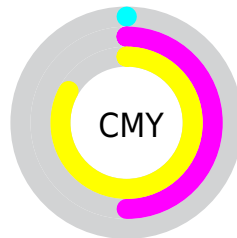
- Red (100%)
- Green (50%)
- Blue (17%)



- Red (100%)
- Yellow (73%)
- Blue (17%)



- Cyan (0%)
- Magenta (50%)
- Yellow (83%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8728, 0.5307, 0.3962 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 36.8728, 0.5307, 0.3962 by changing the saturation by 10% instead.


 36.8728, 0.5307,
0.3962


 36.8728, 0.5307,
0.3962


332.7595, 0.4244,
0.3768


 25.1090, 0.5533,
0.3953


 70.3771, 0.4944,
0.3933

 16.1583, 0.5793,
0.3910


 92.8864, 0.4800,
0.3910


 9.6362, 0.6152,
0.3846


 119.7464, 0.4675,
0.3885

 5.1584, 0.6407,
0.3593

 151.3414, 0.4565,
0.3859

 2.3405, 0.6781,
0.3219

 188.0558, 0.4470,
0.3835

 0.7950, 0.7381,
0.2619

 230.2740, 0.4385,

 0.0000, 1.0000,

0.3811

0.0000

278.3804, 0.4311,
0.3789

■ 0.0000, 0.0000,
0.0000

■ 36.8728, 0.5307,
0.3962

■ 36.8728, 0.5307,
0.3962

■ 33.0523, 0.5574,
0.3902

■ 41.4139, 0.4997,
0.3968


■ 30.8059, 0.5727,
0.3835


■ 46.7134, 0.4671,
0.3926


■ 52.8126, 0.4352,
0.3850

■ 59.7472, 0.4055,
0.3752

■ 67.5505, 0.3788,
0.3643

 76.2538, 0.3553,
0.3532

 85.8865, 0.3350,
0.3424

 96.4767, 0.3176,
0.3321

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



36.8728, 0.5213, 0.3220



36.8728, 0.5307, 0.3962



36.8728, 0.4735, 0.4755

Triad

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



36.8728, 0.5307, 0.3962



36.8728, 0.1893, 0.4123



36.8728, 0.2141, 0.1720

Complementary

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



36.8728, 0.5307, 0.3962



36.4814, 0.1968, 0.2149

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.



36.8728, 0.1545, 0.1704



36.8728, 0.5307, 0.3962



36.8728, 0.1401, 0.2817

Square

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



36.8728, 0.5307, 0.3962



36.8728, 0.2778, 0.5276



36.8728, 0.1306, 0.2024



36.8728, 0.3135, 0.2014

Rectangle

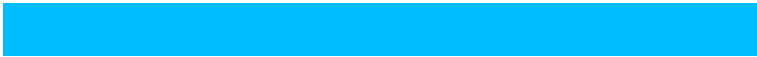
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.8728, 0.5307, 0.3962



36.8728, 0.4140, 0.5227



36.8728, 0.1306, 0.2024



36.8728, 0.1898, 0.1682

Sweetspot

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



36.8748, 0.5307, 0.3962



74.5615, 0.3595, 0.3553



25.8966, 0.4264, 0.2236



15.2953, 0.3676, 0.3592



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.



36.8748, 0.5307, 0.3962



30.8116, 0.5727, 0.3835



80.1539, 0.4300, 0.4852



19.1824, 0.3284, 0.3386



16.3728, 0.5698, 0.3858



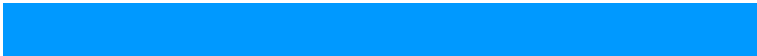
1.8012, 0.5490, 0.4023

Inverse Universe

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



36.4814, 0.1968, 0.2149



29.9212, 0.1859, 0.1892



11.4264, 0.1632, 0.0893



19.1877, 0.2979, 0.3192



15.9348, 0.1866, 0.1917



1.7656, 0.1914, 0.2089

Previews

White Background



This preview shows how the Yxy color 36.8728, 0.5307, 0.3962 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 36.8728, 0.5307, 0.3962 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 36.8728, 0.5307, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 36.8728, 0.5307, 0.3962.



This preview shows how white text looks on a background with the Yxy color 36.8728, 0.5307, 0.3962.

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

36.8728, 0.5307, 0.3962

Protanopia

36.9892, 0.4247, 0.4666

Deuteranopia

36.8018, 0.4662, 0.4553



Tritanopia

36.7908, 0.4562, 0.3214

Trichromacy



Original Color

36.8728, 0.5307, 0.3962

Protanomaly

36.0566, 0.4652, 0.4391

Deuteranomaly

36.2194, 0.4913, 0.4322

Tritanomaly

36.5571, 0.4910, 0.3544

Monochromacy



Original Color

36.8728, 0.5307, 0.3962

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.0020, 0.3952, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8728, 0.5307, 0.3962 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, 128, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 43)  
}
```

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, 128, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 43) }
```

Border

The CSS property to change the border of an element to Yxy 36.8728, 0.5307, 0.3962 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, 128, 43) }
```

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

```
.border{ border-color:rgb(255, 128, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
43) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.8728, 0.5307, 0.3962$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 43) }
```

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

```
.background{ background-color: rgb(255,  
128, 43) }
```

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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