

Converting Colors

$Y_{xy}(37.7915, 0.5315, 0.4041)$

Have a look what the booklet for
Yxy(37.7915, 0.5315, 0.4041)
contains.

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Color

Yxy(37.8668, 0.5311, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	FF8420
RGB	255, 132, 32
RGB Percent	100%, 52%, 13%
CMY	0.0000, 0.4824, 0.8740
CMYK	0.00, 0.48, 0.87, 0.00
HSL	27°, 100%, 56%
HSV	27°, 87%, 100%
XYZ	49.7552, 37.8668, 6.0613
YIQ	157.3770, 105.4080, -5.0240

Conversions

Conversions Part 2

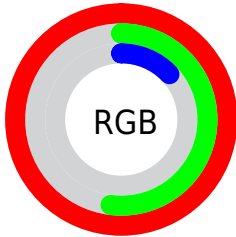
Format	Color
R_{YB}	255, 213, 32
Decimal	16745504
CIE Lab	67.92, 41.23, 68.33
CIE LCh	68, 79.805, 58.891
Yxy	37.8668, 0.5311, 0.4042
Android (android.graphics.Color)	4294935584 (0xFFFF8420)
YUV	157.3770, -61.8109, 85.6154
Hunter-Lab	61.5360, 36.6390, 37.2351

Details

The Yxy color **37.8668, 0.5311, 0.4042** 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 **31.0110, 0.1895, 0.1933**, and the grayscale version is **34.1502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5052, 0.4488, 0.4247**, and **16.8137, 0.5647, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **34.2145, 0.5537, 0.3967**, and if you desaturate by 10%, it is **42.1419, 0.5039, 0.4062**.

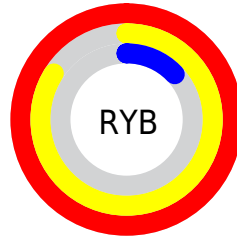
Distribution



Red (100%)

Green (52%)

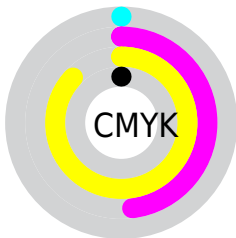
Blue (13%)



Red (100%)

Yellow (84%)

Blue (13%)

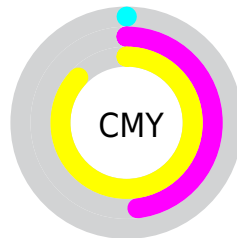


Cyan (0%)

Magenta (48%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8668, 0.5311, 0.4042 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 37.8668, 0.5311, 0.4042 by changing the saturation by 10% instead.


 37.8668, 0.5311,
0.4042


 37.8668, 0.5311,
0.4042

337.0482, 0.4264,
0.3821


 25.8793, 0.5526,
0.4036


 71.9039, 0.4960,
0.4007


 16.7334, 0.5768,
0.3994

 94.7224, 0.4818,
0.3980


 10.0446, 0.6081,
0.3919


 121.9199, 0.4694,
0.3952

 5.4285, 0.6319,
0.3681

 153.8810, 0.4586,
0.3923

 2.5008, 0.6670,
0.3330

 190.9900, 0.4491,
0.3895

 0.8771, 0.7228,
0.2772

 233.6312, 0.4406,

 0.0000, 1.0000,

0.3869

0.0000

282.1892, 0.4331,
0.3844

■ 0.0000, 0.0000,
0.0000

■ 37.8668, 0.5311,
0.4042

■ 37.8668, 0.5311,
0.4042

■ 34.2145, 0.5537,
0.3967

■ 42.1419, 0.5039,
0.4062


■ 33.3569, 0.5590,
0.3943

■ 47.0785, 0.4741,
0.4029


■ 52.7123, 0.4438,
0.3955

■ 59.0752, 0.4148,
0.3853

■ 66.1963, 0.3880,
0.3736

 74.1029, 0.3641,
0.3613

 82.8207, 0.3430,
0.3490

 92.3741, 0.3247,
0.3373

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



37.8668, 0.5303, 0.3285



37.8668, 0.5311, 0.4042



37.8668, 0.4671, 0.4852

Triad

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



37.8668, 0.5311, 0.4042



37.8668, 0.1797, 0.3993



37.8668, 0.2206, 0.1713

Complementary

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



37.8668, 0.5311, 0.4042



31.0110, 0.1895, 0.1933

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.



37.8668, 0.1563, 0.1665



37.8668, 0.5311, 0.4042



37.8668, 0.1345, 0.2695

Square

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



37.8668, 0.5311, 0.4042



37.8668, 0.2662, 0.5249



37.8668, 0.1287, 0.1947



37.8668, 0.3255, 0.2038

Rectangle

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



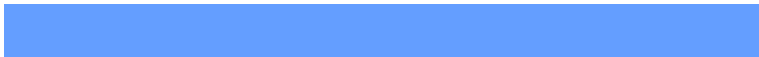
37.8668, 0.5311, 0.4042



37.8668, 0.4048, 0.5319



37.8668, 0.1287, 0.1947



37.8668, 0.1946, 0.1665

Sweetspot

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



37.8676, 0.5311, 0.4042



75.2777, 0.3609, 0.3595



24.7825, 0.4460, 0.2304



15.4985, 0.3688, 0.3638



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.



37.8676, 0.5311, 0.4042



33.3569, 0.5590, 0.3943



83.7683, 0.4272, 0.4922



19.3273, 0.3283, 0.3397



17.7176, 0.5562, 0.3965



1.9394, 0.5368, 0.4120

Inverse Universe

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



31.0110, 0.1895, 0.1933



26.1886, 0.1812, 0.1724



9.5602, 0.1578, 0.0767



19.0399, 0.2979, 0.3181



13.9868, 0.1820, 0.1751



1.5801, 0.1872, 0.1940

Previews

White Background



This preview shows how the Yxy color 37.8668, 0.5311, 0.4042 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 37.8668, 0.5311, 0.4042 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 37.8668, 0.5311, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 37.8668, 0.5311, 0.4042.



This preview shows how white text looks on a background with the Yxy color 37.8668, 0.5311, 0.4042.

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

37.8668, 0.5311, 0.4042

Protanopia

37.8716, 0.4299, 0.4748

Deuteranopia

37.8375, 0.4714, 0.4610



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.8668, 0.5311, 0.4042

Protanomaly

37.1000, 0.4681, 0.4480

Deuteranomaly

37.3922, 0.4947, 0.4398

Tritanomaly

37.5614, 0.4890, 0.3593

Monochromacy



Original Color

37.8668, 0.5311, 0.4042

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.6871, 0.3983, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8668, 0.5311, 0.4042 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, 132, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 32)  
}
```

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, 132, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 32) }
```

Border

The CSS property to change the border of an element to Yxy 37.8668, 0.5311, 0.4042 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, 132, 32) }
```

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

```
.border{ border-color:rgb(255, 132, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8668, 0.5311, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 32) }
```

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

```
.background{ background-color: rgb(255,  
132, 32) }
```

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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