

Converting Colors

$Y_{xy}(37.8109, 0.5323, 0.4155)$

Have a look what the booklet for
Yxy(37.8109, 0.5323, 0.4155)
contains.

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Color

Yxy(37.8372, 0.5322, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	FB8700
RGB	251, 135, 0
RGB Percent	98%, 53%, 0%
CMY	0.0156, 0.4706, 0.9996
CMYK	0.00, 0.46, 1.00, 0.02
HSL	32°, 100%, 49%
HSV	32°, 100%, 98%
XYZ	48.4527, 37.8372, 4.7524
YIQ	154.2940, 112.4710, -17.3930

Conversions

Conversions Part 2

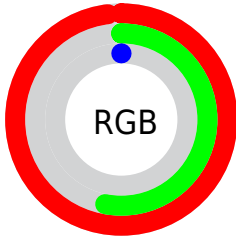
Format	Color
R _Y B	216, 251, 0
Decimal	16484096
CIE Lab	67.90, 37.78, 74.24
CIE LCh	68, 83.299, 63.028
Yxy	37.8372, 0.5322, 0.4156
Android (android.graphics.Color)	4294674176 (0xFFFB8700)
YUV	154.2940, -76.0669, 84.8112
Hunter-Lab	61.5120, 32.9579, 38.4776

Details

The Yxy color **37.8372, 0.5322, 0.4156** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **19.4877, 0.1729, 0.1423**, and the grayscale version is **32.7612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1496, 0.4551, 0.4361**, and **16.7513, 0.5572, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **37.8249, 0.5323, 0.4156**, and if you desaturate by 10%, it is **41.3275, 0.5141, 0.4220**.

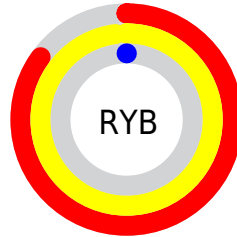
Distribution



Red (98%)

Green (53%)

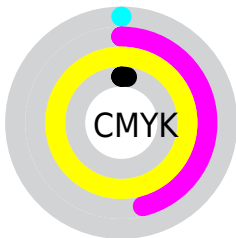
Blue (0%)



Red (85%)

Yellow (98%)

Blue (0%)

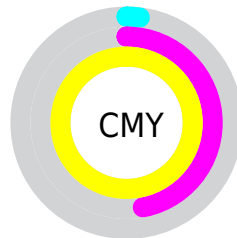


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8372, 0.5322, 0.4156 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 37.8372, 0.5322, 0.4156 by changing the saturation by 10% instead.


 37.8372, 0.5322,
0.4156

 37.8372, 0.5322,
0.4156


336.9211, 0.4294,
0.3898

 25.8564, 0.5521,
0.4150


 71.8585, 0.4986,
0.4114


 16.7162, 0.5746,
0.4111


 94.6678, 0.4847,
0.4083


 10.0324, 0.5990,
0.4010


 121.8554, 0.4725,
0.4050

 5.4204, 0.6214,
0.3786

 153.8056, 0.4618,
0.4017

 2.4960, 0.6545,
0.3455

 190.9029, 0.4522,
0.3985

 0.8746, 0.7082,
0.2918


 233.5317, 0.4438,

 0.0000, 1.0000,

0.3954


0.0000


 282.0762, 0.4362,
0.3925


 0.0000, 0.0000,
0.0000


 37.8372, 0.5322,
0.4156


 37.8372, 0.5322,
0.4156


 37.8249, 0.5323,
0.4156

 41.3275, 0.5141,
0.4220

 45.2707, 0.4923,
0.4234

 49.7069, 0.4675,
0.4194

 54.6630, 0.4414,
0.4109

 60.1626, 0.4155,
0.3992

66.2275, 0.3907,
0.3856

72.8775, 0.3679,
0.3712

80.1316, 0.3472,
0.3566

88.0073, 0.3288,
0.3424

Harmonies

Analogous

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



37.8372, 0.5443, 0.3372



37.8372, 0.5322, 0.4156



37.8372, 0.4582, 0.5001

Triad

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



37.8372, 0.5322, 0.4156



37.8372, 0.1653, 0.3809



37.8372, 0.2295, 0.1693

Complementary

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



37.8372, 0.5322, 0.4156



19.4877, 0.1729, 0.1423

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.



37.8372, 0.1579, 0.1603



37.8372, 0.5322, 0.4156



37.8372, 0.1258, 0.2520

Square

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



37.8372, 0.5322, 0.4156



37.8372, 0.2490, 0.5219



37.8372, 0.1251, 0.1833



37.8372, 0.3432, 0.2063

Rectangle

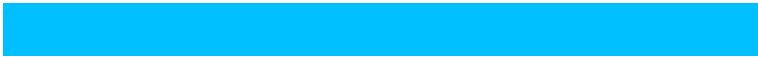
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8372, 0.5322, 0.4156



37.8372, 0.3915, 0.5467



37.8372, 0.1251, 0.1833



37.8372, 0.2008, 0.1631

Sweetspot

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



37.8392, 0.5322, 0.4156



75.4847, 0.3680, 0.3713



21.8037, 0.5142, 0.2607



15.5186, 0.3774, 0.3774



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.



37.8392, 0.5322, 0.4156



39.1759, 0.5324, 0.4155



87.9979, 0.4134, 0.5099



18.7709, 0.3280, 0.3418



20.1743, 0.5299, 0.4175



2.0807, 0.5131, 0.4308

Inverse Universe

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



19.4877, 0.1729, 0.1423



20.1565, 0.1728, 0.1421



7.0231, 0.1507, 0.0604



17.9658, 0.2979, 0.3159



10.5190, 0.1737, 0.1452



1.1839, 0.1799, 0.1677

Previews

White Background



This preview shows how the Yxy color 37.8372, 0.5322, 0.4156 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 37.8372, 0.5322, 0.4156 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 37.8372, 0.5322, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 37.8372, 0.5322, 0.4156.



This preview shows how white text looks on a background with the Yxy color 37.8372, 0.5322, 0.4156.

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

37.8372, 0.5322, 0.4156

Protanopia

37.8914, 0.4372, 0.4835

Deuteranopia

37.8156, 0.4728, 0.4628



Tritanopia

37.9310, 0.4481, 0.3202

Trichromacy



Original Color

37.8372, 0.5322, 0.4156

Protanomaly

37.1734, 0.4733, 0.4585

Deuteranomaly

37.5024, 0.4956, 0.4447

Tritanomaly

37.4432, 0.4979, 0.3699

Monochromacy



Original Color

37.8372, 0.5322, 0.4156

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.5681, 0.4087, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8372, 0.5322, 0.4156 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(251, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 135, 0)  
}
```

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(251, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.8372, 0.5322, 0.4156 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(251, 135, 0) }
```

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

```
.border{ border-color:rgb(251, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 135,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8372, 0.5322, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 135, 0) }
```

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

```
.background{ background-color: rgb(251,  
135, 0) }
```

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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