

Converting Colors

$Y_{xy}(34.1691, 0.5472, 0.4036)$

Have a look what the booklet for
Yxy(34.1691, 0.5472, 0.4036)
contains.

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Color

Yxy(34.2431, 0.5470, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	FA7A00
RGB	250, 122, 0
RGB Percent	98%, 48%, 0%
CMY	0.0196, 0.5216, 0.9989
CMYK	0.00, 0.51, 1.00, 0.02
HSL	29°, 100%, 49%
HSV	29°, 100%, 98%
XYZ	46.3868, 34.2431, 4.1723
YIQ	146.3640, 115.4500, -10.8060

Conversions

Conversions Part 2

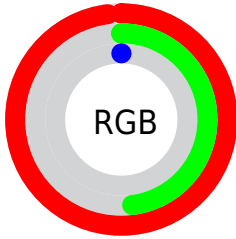
Format	Color
R _Y B	250, 238, 0
Decimal	16415232
CIE Lab	65.16, 43.85, 72.50
CIE LCh	65, 84.728, 58.829
Yxy	34.2431, 0.5470, 0.4038
Android (android.graphics.Color)	4294605312 (0xFFFA7A00)
YUV	146.3640, -72.1575, 90.8888
Hunter-Lab	58.5176, 39.0907, 36.7350

Details

The Yxy color **34.2431, 0.5470, 0.4038** 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 **22.4146, 0.1776, 0.1591**, and the grayscale version is **29.1824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7656, 0.4679, 0.4263**, and **14.8194, 0.5763, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **34.2103, 0.5472, 0.4037**, and if you desaturate by 10%, it is **37.6729, 0.5268, 0.4114**.

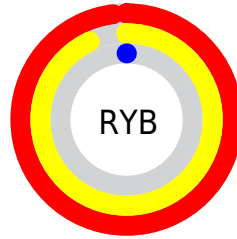
Distribution



Red (98%)

Green (48%)

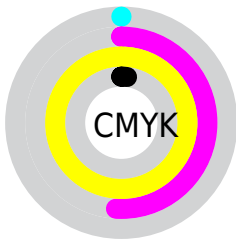
Blue (0%)



Red (98%)

Yellow (93%)

Blue (0%)

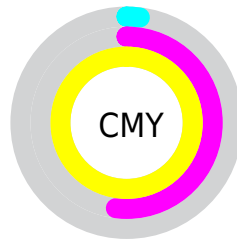


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2431, 0.5470, 0.4038 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 34.2431, 0.5470, 0.4038 by changing the saturation by 10% instead.


 34.2431, 0.5470,
0.4038


 34.2431, 0.5470,
0.4038


321.2147, 0.4351,
0.3850


 23.0804, 0.5691,
0.4010


 66.3115, 0.5100,
0.4025


 14.6529, 0.5952,
0.3947


 87.9861, 0.4949,
0.4004


 8.5761, 0.6209,
0.3791


 113.9333, 0.4816,
0.3978

 4.4658, 0.6484,
0.3516

 144.5378, 0.4699,
0.3951

 1.9374, 0.6893,
0.3107

 180.1837, 0.4596,
0.3925


 0.5707, 0.7664,
0.2336

 221.2556, 0.4505,


 0.0000, 1.0000,


0.3898


0.0000


 268.1378, 0.4424,
0.3873


 0.0000, 0.0000,
0.0000


 34.2431, 0.5470,
0.4038


 34.2431, 0.5470,
0.4038


 34.2103, 0.5472,
0.4037

 37.6729, 0.5268,
0.4114

 41.6216, 0.5025,
0.4138

 46.1327, 0.4752,
0.4109

 51.2368, 0.4467,
0.4035

 56.9613, 0.4188,
0.3929

■ 63.3309, 0.3927,
0.3805

■ 70.3689, 0.3688,
0.3673

■ 78.0971, 0.3476,
0.3540

■ 86.5362, 0.3289,
0.3411

Harmonies

Analogous

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



34.2431, 0.5498, 0.3247



34.2431, 0.5470, 0.4038



34.2431, 0.4748, 0.4922

Triad

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



34.2431, 0.5470, 0.4038



34.2431, 0.1680, 0.4061



34.2431, 0.2126, 0.1606

Complementary

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



34.2431, 0.5470, 0.4038



22.4146, 0.1776, 0.1591

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.



34.2431, 0.1454, 0.1552



34.2431, 0.5470, 0.4038



34.2431, 0.1219, 0.2623

Square

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



34.2431, 0.5470, 0.4038



34.2431, 0.2593, 0.5477



34.2431, 0.1168, 0.1836



34.2431, 0.3254, 0.1946

Rectangle

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



34.2431, 0.5470, 0.4038



34.2431, 0.4070, 0.5467



34.2431, 0.1168, 0.1836



34.2431, 0.1853, 0.1555

Sweetspot

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



34.2450, 0.5470, 0.4038



73.4982, 0.3691, 0.3675



21.9239, 0.4925, 0.2487



15.0489, 0.3789, 0.3731



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.



34.2450, 0.5470, 0.4038



35.7498, 0.5474, 0.4036



86.1419, 0.4223, 0.5029



18.6220, 0.3282, 0.3406



18.4312, 0.5446, 0.4058



1.9185, 0.5257, 0.4208

Inverse Universe

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



22.4146, 0.1776, 0.1591



23.3730, 0.1774, 0.1587



7.0005, 0.1502, 0.0608



18.1143, 0.2980, 0.3171



12.1589, 0.1783, 0.1617



1.3384, 0.1842, 0.1829

Previews

White Background



This preview shows how the Yxy color 34.2431, 0.5470, 0.4038 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 34.2431, 0.5470, 0.4038 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 34.2431, 0.5470, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 34.2431, 0.5470, 0.4038.



This preview shows how white text looks on a background with the Yxy color 34.2431, 0.5470, 0.4038.

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

34.2431, 0.5470, 0.4038

Protanopia

34.4379, 0.4364, 0.4828

Deuteranopia

34.4126, 0.4708, 0.4644



Tritanopia

34.2616, 0.4714, 0.3216

Trichromacy



Original Color

34.2431, 0.5470, 0.4038

Protanomaly

33.5686, 0.4794, 0.4529

Deuteranomaly

33.6616, 0.5010, 0.4404

Tritanomaly

33.9093, 0.5169, 0.3645

Monochromacy



Original Color

34.2431, 0.5470, 0.4038

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.8720, 0.4154, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2431, 0.5470, 0.4038 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(250, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 122, 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(250, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.2431, 0.5470, 0.4038 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(250, 122, 0) }
```

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

```
.border{ border-color:rgb(250, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2431, 0.5470, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 122, 0) }
```

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

```
.background{ background-color: rgb(250,  
122, 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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