

Converting Colors

$Y_{xy}(42.9645, 0.5068, 0.4357)$

Have a look what the booklet for
Yxy(42.9645, 0.5068, 0.4357)
contains.

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Color

Yxy(42.8854, 0.5070, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	F79A00
RGB	247, 154, 0
RGB Percent	97%, 60%, 0%
CMY	0.0314, 0.3961, 0.9994
CMYK	0.00, 0.38, 1.00, 0.03
HSL	37°, 100%, 48%
HSV	37°, 100%, 97%
XYZ	49.9148, 42.8854, 5.6511
YIQ	164.2510, 104.8620, -28.1780

Conversions

Conversions Part 2

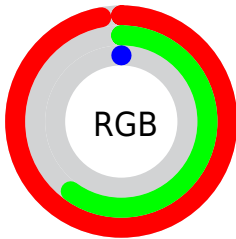
Format	Color
R_{YB}	149, 247, 0
Decimal	16226816
CIE Lab	71.48, 26.34, 76.22
CIE LCh	71, 80.643, 70.935
Yxy	42.8854, 0.5070, 0.4356
Android (android.graphics.Color)	4294416896 (0xFFFF79A00)
YUV	164.2510, -80.9757, 72.5709
Hunter-Lab	65.4869, 21.4524, 40.7245

Details

The Yxy color **42.8854, 0.5070, 0.4356** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **14.5729, 0.1657, 0.1166**, and the grayscale version is **37.6166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3968, 0.4377, 0.4512**, and **19.8908, 0.5232, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **42.8674, 0.5071, 0.4356**, and if you desaturate by 10%, it is **46.1489, 0.4926, 0.4398**.

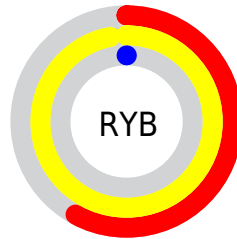
Distribution



Red (97%)

Green (60%)

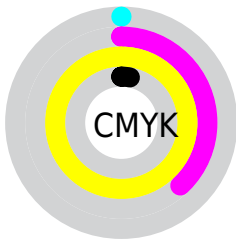
Blue (0%)



Red (58%)

Yellow (97%)

Blue (0%)

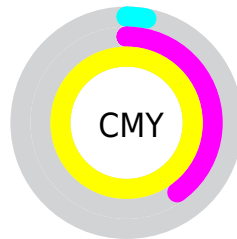


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8854, 0.5070, 0.4356 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 42.8854, 0.5070, 0.4356 by changing the saturation by 10% instead.


 42.8854, 0.5070,
0.4356


 42.8854, 0.5070,
0.4356


358.1403, 0.4186,
0.3979

 29.7952, 0.5235,
0.4386


 79.5379, 0.4786,
0.4266


 19.6832, 0.5413,
0.4391


 103.8690, 0.4668,
0.4218

 12.1650, 0.5628,
0.4372


 132.7158, 0.4563,
0.4171

 6.8561, 0.5775,
0.4225

 166.4628, 0.4470,
0.4127

 3.3723, 0.5993,
0.4007

 205.4944, 0.4387,
0.4086

 1.3290, 0.6345,
0.3655


 250.1949, 0.4313,

 0.1635, 0.8300,


0.4048

0.1700


 300.9487, 0.4246,
0.4012


 0.0000, 0.0000,
0.0000

 42.8854, 0.5070,
0.4356


 42.8854, 0.5070,
0.4356

 42.8674, 0.5071,
0.4356

 46.1489, 0.4926,
0.4398

 49.7412, 0.4749,
0.4391

 53.6964, 0.4544,
0.4333

 58.0357, 0.4321,
0.4230

 62.7773, 0.4094,
0.4095

67.9380, 0.3870,
0.3940

73.5328, 0.3659,
0.3775

79.5760, 0.3463,
0.3608

86.0807, 0.3286,
0.3444

Harmonies

Analogous

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



42.8854, 0.5343, 0.3587



42.8854, 0.5070, 0.4356



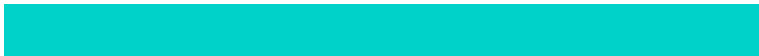
42.8854, 0.4291, 0.5112

Triad

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



42.8854, 0.5070, 0.4356



42.8854, 0.1603, 0.3421



42.8854, 0.2598, 0.1844

Complementary

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



42.8854, 0.5070, 0.4356



14.5729, 0.1657, 0.1166

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.



42.8854, 0.1805, 0.1686



42.8854, 0.5070, 0.4356



42.8854, 0.1321, 0.2358

Square

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



42.8854, 0.5070, 0.4356



42.8854, 0.2304, 0.4773



42.8854, 0.1396, 0.1825



42.8854, 0.3739, 0.2264

Rectangle

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



42.8854, 0.5070, 0.4356



42.8854, 0.3636, 0.5426



42.8854, 0.1396, 0.1825



42.8854, 0.2289, 0.1761

Sweetspot

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



42.8876, 0.5070, 0.4356



78.9844, 0.3661, 0.3776



20.6003, 0.5489, 0.2798



16.3503, 0.3749, 0.3847



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.



42.8876, 0.5070, 0.4356



46.0319, 0.5073, 0.4354



81.4601, 0.3986, 0.5217



18.2032, 0.3278, 0.3437



22.9529, 0.5052, 0.4370



2.2147, 0.4916, 0.4479

Inverse Universe

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



14.5729, 0.1657, 0.1166



15.5987, 0.1656, 0.1162



6.9796, 0.1535, 0.0619



16.9497, 0.2980, 0.3138



7.9484, 0.1665, 0.1195



0.8897, 0.1734, 0.1443

Previews

White Background



This preview shows how the Yxy color 42.8854, 0.5070, 0.4356 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 42.8854, 0.5070, 0.4356 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 42.8854, 0.5070, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 42.8854, 0.5070, 0.4356.



This preview shows how white text looks on a background with the Yxy color 42.8854, 0.5070, 0.4356.

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

42.8854, 0.5070, 0.4356

Protanopia

43.1001, 0.4380, 0.4850

Deuteranopia

42.8020, 0.4730, 0.4626



Tritanopia

42.8607, 0.4163, 0.3177

Trichromacy



Original Color

42.8854, 0.5070, 0.4356

Protanomaly

42.6307, 0.4640, 0.4666

Deuteranomaly

42.8296, 0.4852, 0.4530

Tritanomaly

42.2585, 0.4696, 0.3786

Monochromacy



Original Color

42.8854, 0.5070, 0.4356

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6104, 0.3999, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8854, 0.5070, 0.4356 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(247, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 154, 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(247, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.8854, 0.5070, 0.4356 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(247, 154, 0) }
```

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

```
.border{ border-color:rgb(247, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8854, 0.5070, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 154, 0) }
```

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

```
.background{ background-color: rgb(247,  
154, 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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