

Converting Colors

Yxy(51.5317, 0.4894, 0.4471)

Have a look what the booklet for
Yxy(51.5317, 0.4894, 0.4471)
contains.

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Color

Yxy(51.5586, 0.4894, 0.4471)

Conversions

Conversions Part 1	
Format	Color
Hex	FFAE0C
RGB	255, 174, 12
RGB Percent	100%, 68%, 5%
CMY	0.0001, 0.3176, 0.9532
CMYK	0.00, 0.32, 0.95, 0.00
HSL	40°, 100%, 52%
HSV	40°, 95%, 100%
XYZ	56.4365, 51.5586, 7.3227
YIQ	179.7510, 100.2780, -33.2100

Conversions

Conversions Part 2

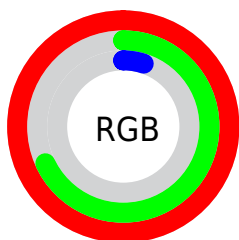
Format	Color
RYB	134, 255, 12
Decimal	16756236
CIELab	77.02, 19.32, 79.04
CIELCh	77, 81.367, 76.263
Yxy	51.5586, 0.4894, 0.4471
Android (android.graphics.Color)	4294946316 (0xFFFFFAE0C)
YUV	179.7510, -82.7012, 65.9934
Hunter-Lab	71.8043, 14.6393, 44.2166

Details

The Yxy color **51.5586, 0.4894, 0.4471** 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 **15.1079, 0.1655, 0.1131**, and the grayscale version is **45.9111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9545, 0.4201, 0.4619**, and **25.1255, 0.5021, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **50.0204, 0.4950, 0.4452**, and if you desaturate by 10%, it is **55.0581, 0.4756, 0.4484**.

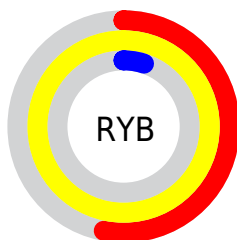
Distribution



Red (100%)

Green (68%)

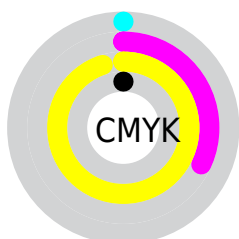
Blue (5%)



Red (53%)

Yellow (100%)

Blue (5%)

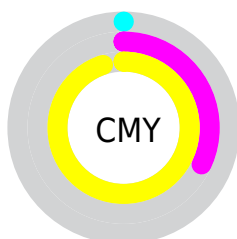


Cyan (0%)

Magenta (32%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5586, 0.4894, 0.4471 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 51.5586, 0.4894, 0.4471 by changing the saturation by 10% instead.


 51.5586, 0.4894,
0.4471

 51.5586, 0.4894,
0.4471


392.7302, 0.4120,
0.4031

 36.6534, 0.5034,
0.4524


 92.4799, 0.4651,
0.4354

 24.9392, 0.5183,
0.4561


 119.2648, 0.4547,
0.4297

 16.0318, 0.5366,
0.4594


 150.7784, 0.4455,
0.4244

 9.5466, 0.5480,
0.4520

 187.4050, 0.4373,
0.4194

 5.0994, 0.5613,
0.4387

 229.5291, 0.4300,
0.4148

 2.3057, 0.5820,
0.4180


 277.5351, 0.4234,


 0.7767, 0.6198,


0.4106


0.3802


331.8073, 0.4174,
0.4067


 0.0000, 1.0000,
0.0000


 0.0000, 0.0000,
0.0000


 51.5586, 0.4894,
0.4471

 51.5586, 0.4894,
0.4471


 50.0204, 0.4950,
0.4452


 55.0581, 0.4756,
0.4484


 58.8781, 0.4586,
0.4444


 63.0448, 0.4391,
0.4356


 67.5778, 0.4181,
0.4228

 72.4944, 0.3967,
0.4074

 77.8101, 0.3759,
0.3903

 83.5394, 0.3560,
0.3725

 89.6956, 0.3377,
0.3548

 96.2913, 0.3209,
0.3377

Harmonies

Analogous

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



51.5586, 0.5247, 0.3723



51.5586, 0.4894, 0.4471



51.5586, 0.4101, 0.5143

Triad

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



51.5586, 0.4894, 0.4471



51.5586, 0.1591, 0.3207



51.5586, 0.2801, 0.1955

Complementary

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



51.5586, 0.4894, 0.4471



15.1079, 0.1655, 0.1131

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.



51.5586, 0.1967, 0.1754



51.5586, 0.4894, 0.4471



51.5586, 0.1378, 0.2282

Square

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



51.5586, 0.4894, 0.4471



51.5586, 0.2203, 0.4479



51.5586, 0.1506, 0.1838



51.5586, 0.3918, 0.2402

Rectangle

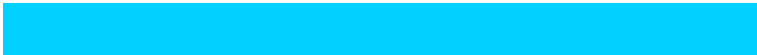
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5586, 0.4894, 0.4471



51.5586, 0.3459, 0.5341



51.5586, 0.1506, 0.1838



51.5586, 0.2481, 0.1858

Sweetspot

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



51.5612, 0.4894, 0.4471



81.3956, 0.3632, 0.3791



22.3070, 0.5555, 0.2859



16.9020, 0.3717, 0.3866



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.



51.5612, 0.4894, 0.4471



50.0296, 0.4950, 0.4452



85.9004, 0.3903, 0.5265



20.0113, 0.3277, 0.3448



26.4275, 0.4934, 0.4464



2.7742, 0.4828, 0.4549

Inverse Universe

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



15.1079, 0.1655, 0.1131



13.7085, 0.1624, 0.1045



8.2221, 0.1595, 0.0669



18.3663, 0.2979, 0.3127



7.4067, 0.1632, 0.1075



0.9124, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 51.5586, 0.4894, 0.4471 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 51.5586, 0.4894, 0.4471 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 51.5586, 0.4894, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 51.5586, 0.4894, 0.4471.



This preview shows how white text looks on a background with the Yxy color 51.5586, 0.4894, 0.4471.

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

51.5586, 0.4894, 0.4471

Protanopia

51.7592, 0.4383, 0.4850

Deuteranopia

51.7485, 0.4725, 0.4631



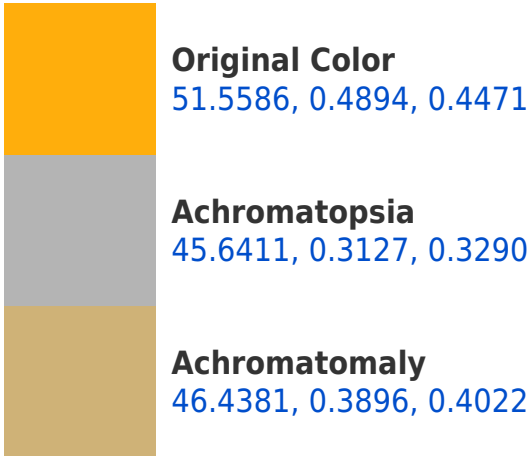
Tritanopia

51.6670, 0.3868, 0.3187

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5586, 0.4894, 0.4471 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, 174, 12)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 12)  
}
```

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, 174, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 12) }
```

Border

The CSS property to change the border of an element to Yxy 51.5586, 0.4894, 0.4471 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, 174, 12) }
```

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

```
.border{ border-color:rgb(255, 174, 12) }
```

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

Here you see how a box with a 4 pixel rgb(255, 174, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 12);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5586, 0.4894, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 12) }
```

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

```
.background{ background-color: rgb(255,  
174, 12) }
```

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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