

Converting Colors

$Y_{xy}(47.8854, 0.4951, 0.4325)$

Have a look what the booklet for
Yxy(47.8854, 0.4951, 0.4325)
contains.

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Color

Yxy(47.9383, 0.4949, 0.4326)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFA424 |
| RGB | 255, 164, 36 |
| RGB Percent | 100%, 64%, 14% |
| CMY | 0.0000, 0.3569, 0.8587 |
| CMYK | 0.00, 0.36, 0.86, 0.00 |
| HSL | 35°, 100%, 57% |
| HSV | 35°, 86%, 100% |
| XYZ | 54.8420, 47.9383, 8.0340 |
| YIQ | 176.6170, 95.3240, -20.5160 |

Conversions

Conversions Part 2

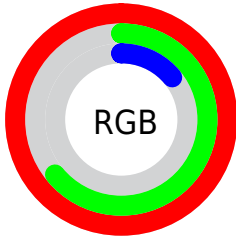
| Format | Color |
|-------------------------------------|---|
| RYB | 192, 255, 36 |
| Decimal | 16753700 |
| CIELab | 74.79, 24.94, 72.64 |
| CIELCh | 75, 76.803, 71.052 |
| Yxy | 47.9383, 0.4949, 0.4326 |
| Android (android.graphics.Color) | 4294943780 (0xFFFFFA424) |
| YUV | 176.6170, -69.3242, 68.7419 |
| Hunter-Lab | 69.2375, 20.2217, 41.5865 |

Details

The Yxy color **47.9383, 0.4949, 0.4326** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **22.7860, 0.1797, 0.1552**, and the grayscale version is **44.0868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7493, 0.4220, 0.4473**, and **22.7948, 0.5168, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **44.1945, 0.5122, 0.4291**, and if you desaturate by 10%, it is **52.1034, 0.4740, 0.4307**.

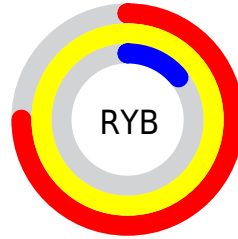
Distribution



Red (100%)

Green (64%)

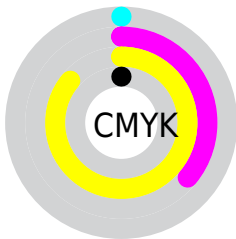
Blue (14%)



Red (75%)

Yellow (100%)

Blue (14%)

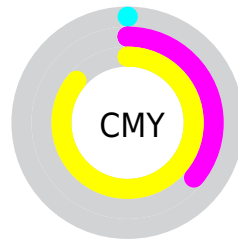


Cyan (0%)

Magenta (36%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9383, 0.4949, 0.4326 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 47.9383, 0.4949, 0.4326 by changing the saturation by 10% instead.


 47.9383, 0.4949,
0.4326


 47.9383, 0.4949,
0.4326


378.5475, 0.4120,
0.3943


 33.7780, 0.5110,
0.4369


 87.1125, 0.4679,
0.4226

 22.7231, 0.5288,
0.4395


 112.8953, 0.4568,
0.4176


 14.3892, 0.5498,
0.4404


 143.3210, 0.4470,
0.4130

 8.3919, 0.5678,
0.4322

 178.7740, 0.4383,
0.4086

 4.3467, 0.5859,
0.4141

 219.6388, 0.4306,
0.4046

 1.8693, 0.6144,
0.3856

 266.2997, 0.4237,

 0.5298, 0.6832,

0.4009

0.3168

319.1412, 0.4175,
0.3975

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9383, 0.4949,
0.4326

■ 47.9383, 0.4949,
0.4326

■ 44.1945, 0.5122,
0.4291

■ 52.1034, 0.4740,
0.4307

■ 42.7593, 0.5185,
0.4265

■ 56.7257, 0.4508,
0.4237

■ 61.8259, 0.4266,
0.4128

■ 67.4248, 0.4026,
0.3992

73.5415, 0.3796,
0.3840

80.1936, 0.3584,
0.3682

87.3976, 0.3392,
0.3526

95.1692, 0.3219,
0.3375

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.



47.9383, 0.5178, 0.3601



47.9383, 0.4949, 0.4326



47.9383, 0.4238, 0.5003

Triad

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



47.9383, 0.4949, 0.4326



47.9383, 0.1709, 0.3417



47.9383, 0.2646, 0.1935

Complementary

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



47.9383, 0.4949, 0.4326



22.7860, 0.1797, 0.1552

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.



47.9383, 0.1895, 0.1785



47.9383, 0.4949, 0.4326



47.9383, 0.1432, 0.2436

Square

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



47.9383, 0.4949, 0.4326



47.9383, 0.2376, 0.4629



47.9383, 0.1501, 0.1924



47.9383, 0.3701, 0.2336

Rectangle

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



47.9383, 0.4949, 0.4326



47.9383, 0.3628, 0.5257



47.9383, 0.1501, 0.1924



47.9383, 0.2355, 0.1856

Sweetspot

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



47.9356, 0.4949, 0.4326



80.1023, 0.3587, 0.3684



24.0633, 0.4959, 0.2610



16.6393, 0.3658, 0.3739



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.



47.9356, 0.4949, 0.4326



42.7593, 0.5185, 0.4265



89.6096, 0.4035, 0.5098



19.7510, 0.3280, 0.3429



22.6443, 0.5165, 0.4281



2.4206, 0.5023, 0.4393

Inverse Universe

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



22.7860, 0.1797, 0.1552



17.5252, 0.1688, 0.1275



9.2761, 0.1620, 0.0743



18.6181, 0.2979, 0.3147



9.4355, 0.1696, 0.1305



1.1283, 0.1758, 0.1527

Previews

White Background



This preview shows how the Yxy color 47.9383, 0.4949, 0.4326 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 47.9383, 0.4949, 0.4326 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 47.9383, 0.4949, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 47.9383, 0.4949, 0.4326.



This preview shows how white text looks on a background with the Yxy color 47.9383, 0.4949, 0.4326.

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

47.9383, 0.4949, 0.4326

Protanopia

48.1234, 0.4318, 0.4779

Deuteranopia

48.0723, 0.4678, 0.4575



Tritanopia

47.7901, 0.4002, 0.3187

Trichromacy



Original Color

47.9383, 0.4949, 0.4326

Protanomaly

47.4381, 0.4552, 0.4611

Deuteranomaly

47.9309, 0.4778, 0.4481

Tritanomaly

47.3882, 0.4452, 0.3704

Monochromacy



Original Color

47.9383, 0.4949, 0.4326

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.9905, 0.3846, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9383, 0.4949, 0.4326 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, 164, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 36)  
}
```

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, 164, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 36) }
```

Border

The CSS property to change the border of an element to Yxy 47.9383, 0.4949, 0.4326 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, 164, 36) }
```

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

```
.border{ border-color:rgb(255, 164, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9383, 0.4949, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 36) }
```

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

```
.background{ background-color: rgb(255,  
164, 36) }
```

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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