

Converting Colors

$Y_{xy}(19.1774, 0.4413, 0.4511)$

Have a look what the booklet for
Yxy(19.1774, 0.4413, 0.4511)
contains.

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Color

Yxy(19.2999, 0.4414, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	937626
RGB	147, 118, 38
RGB Percent	58%, 46%, 15%
CMY	0.4236, 0.5372, 0.8509
CMYK	0.00, 0.20, 0.74, 0.42
HSL	44°, 59%, 36%
HSV	44°, 74%, 58%
XYZ	18.8598, 19.2999, 4.5675
YIQ	117.5510, 42.9640, -18.7320

Conversions

Conversions Part 2

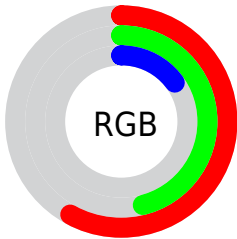
Format	Color
R_{YB}	78, 147, 38
Decimal	9664038
CIE _{Lab}	51.04, 2.68, 46.09
CIE _{LCh}	51, 46.165, 86.668
Yxy	19.2999, 0.4414, 0.4517
Android (android.graphics.Color)	4287854118 (0xFF937626)
YUV	117.5510, -39.2186, 25.8268
Hunter-Lab	43.9317, -0.2505, 24.5878

Details

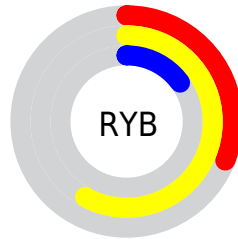
The Yxy color **19.2999, 0.4414, 0.4517** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5348, 0.1876, 0.1518**, and the grayscale version is **18.0851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2914, 0.4164, 0.4291**, and **6.7075, 0.4671, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **18.3220, 0.4561, 0.4587**, and if you desaturate by 10%, it is **20.3554, 0.4246, 0.4406**.

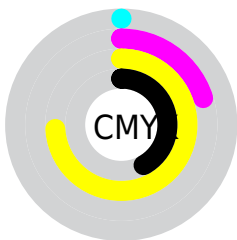
Distribution



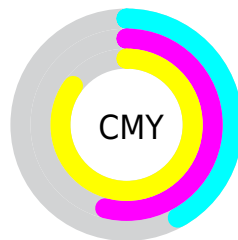
- Red (58%)
- Green (46%)
- Blue (15%)



- Red (31%)
- Yellow (58%)
- Blue (15%)



- Cyan (0%)
- Magenta (20%)
- Yellow (74%)
- Black (42%)





- Cyan (42%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2999, 0.4414, 0.4517 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 19.2999, 0.4414, 0.4517 by changing the saturation by 10% instead.


 19.2999, 0.4414,
0.4517


 19.2999, 0.4414,
0.4517


248.0994, 0.3722,
0.3870


 11.8872, 0.4577,
0.4661


 42.2402, 0.4162,
0.4286


 6.6669, 0.4784,
0.4839


 58.5367, 0.4066,
0.4196

 3.2547, 0.4998,
0.5002

 78.5631, 0.3985,
0.4120

 1.2661, 0.5044,
0.4956

 102.7040, 0.3916,
0.4055

 0.1147, 0.6034,
0.3966

 131.3436, 0.3857,
0.3999

 0.0000, 0.0000,
0.0000

 164.8665, 0.3806,

0.3950

203.6570, 0.3762,
0.3908

■ 19.2999, 0.4414,
0.4517

■ 19.2999, 0.4414,
0.4517

■ 18.3220, 0.4561,
0.4587

■ 20.3554, 0.4246,
0.4406

■ 17.4135, 0.4680,
0.4611

■ 21.4899, 0.4064,
0.4261

■ 16.9042, 0.4745,
0.4615

■ 22.7085, 0.3877,
0.4094

■ 24.0145, 0.3691,
0.3912

■ 25.4111, 0.3512,
0.3726

■ 26.9016, 0.3344,
0.3541

■ 28.4885, 0.3188,
0.3362

■ 30.1747, 0.3045,
0.3191

■ 31.9627, 0.2915,
0.3031

Harmonies

Analogous

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



19.2999, 0.4806, 0.3929



19.2999, 0.4414, 0.4517



19.2999, 0.3709, 0.4878

Triad

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



19.2999, 0.4414, 0.4517



19.2999, 0.1769, 0.2955



19.2999, 0.3176, 0.2294

Complementary

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



19.2999, 0.4414, 0.4517



6.5348, 0.1876, 0.1518

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.



19.2999, 0.2392, 0.2045



19.2999, 0.4414, 0.4517



19.2999, 0.1676, 0.2323

Square

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



19.2999, 0.4414, 0.4517



19.2999, 0.2188, 0.3877



19.2999, 0.1885, 0.2039



19.2999, 0.4061, 0.2741

Rectangle

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



19.2999, 0.4414, 0.4517



19.2999, 0.3166, 0.4825



19.2999, 0.1885, 0.2039



19.2999, 0.2890, 0.2186

Sweetspot

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



19.3008, 0.4414, 0.4517



45.9506, 0.3483, 0.3695



7.9966, 0.4928, 0.2868



10.3459, 0.3526, 0.3740



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.3008, 0.4414, 0.4517



31.7135, 0.4644, 0.4608



25.1098, 0.3783, 0.5067



6.4863, 0.3265, 0.3452



14.6995, 0.4741, 0.4618



0.2283, 0.4442, 0.4855

Inverse Universe

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



6.5348, 0.1876, 0.1518



7.8653, 0.1675, 0.1125



4.5664, 0.1977, 0.1123



5.8690, 0.2989, 0.3123



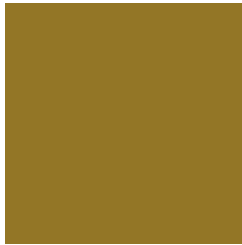
3.1263, 0.1600, 0.0959



0.0812, 0.1813, 0.1726

Previews

White Background



This preview shows how the Yxy color 19.2999, 0.4414, 0.4517 looks on a white background.

Color Contrast Check

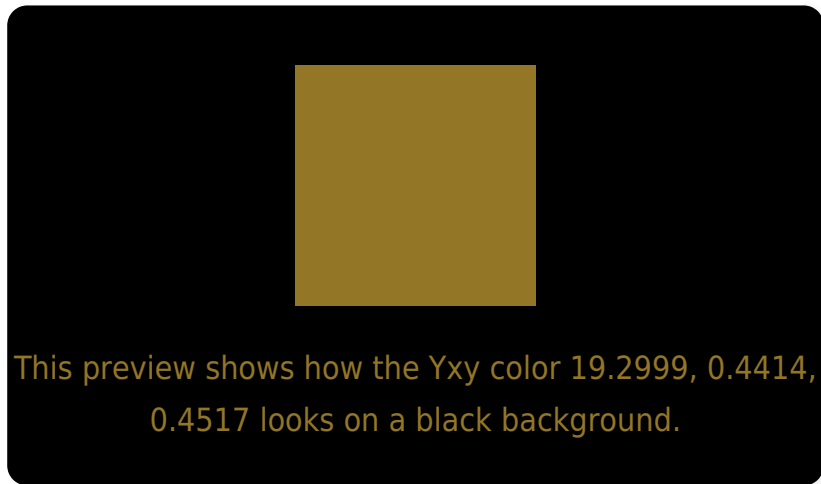
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

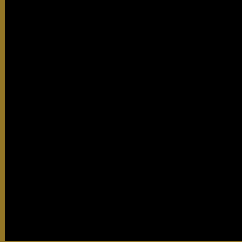
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2999, 0.4414, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 19.2999, 0.4414, 0.4517.



This preview shows how white text looks on a background with the Yxy color 19.2999, 0.4414, 0.4517.

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

19.2999, 0.4414, 0.4517

Protanopia

19.2998, 0.4212, 0.4650

Deuteranopia

19.3127, 0.4498, 0.4441



Tritanopia

19.2561, 0.3595, 0.3141

Trichromacy



Original Color

19.2999, 0.4414, 0.4517

Protanomaly

19.3967, 0.4277, 0.4604

Deuteranomaly

19.3531, 0.4459, 0.4470

Tritanomaly

19.1277, 0.3951, 0.3684

Monochromacy



Original Color

19.2999, 0.4414, 0.4517

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3453, 0.3630, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2999, 0.4414, 0.4517 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(147, 118, 38)` looks like.

```
.text, #text, p{  
    color:rgb(147, 118, 38)  
}
```

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(147, 118, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 118, 38) }
```

Border

The CSS property to change the border of an element to Yxy 19.2999, 0.4414, 0.4517 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(147, 118, 38) }
```

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

```
.border{ border-color:rgb(147, 118, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 118, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 118, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 118, 38);  
box-shadow:4px 4px 4px 4px rgb(147, 118,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2999, 0.4414, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 118, 38) }
```

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

```
.background{ background-color: rgb(147,  
118, 38) }
```

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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