

Converting Colors

$Y_{xy}(19.4851, 0.4036, 0.3999)$

Have a look what the booklet for
Yxy(19.4851, 0.4036, 0.3999)
contains.

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Color

Yxy(19.4474, 0.4045, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	93754C
RGB	147, 117, 76
RGB Percent	58%, 46%, 30%
CMY	0.4235, 0.5412, 0.7019
CMYK	0.00, 0.20, 0.48, 0.42
HSL	35°, 32%, 44%
HSV	35°, 48%, 58%
XYZ	19.7007, 19.4474, 9.5557
YIQ	121.2960, 31.0410, -6.3910

Conversions

Conversions Part 2

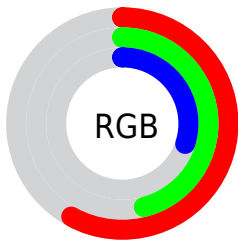
Format	Color
R_{YB}	128, 147, 76
Decimal	9663820
CIE Lab	51.21, 6.22, 26.99
CIE LCh	51, 27.702, 77.024
Yxy	19.4474, 0.4045, 0.3993
Android (android.graphics.Color)	4287853900 (0xFF93754C)
YUV	121.2960, -22.3309, 22.5424
Hunter-Lab	44.0992, 2.5686, 18.0221

Details

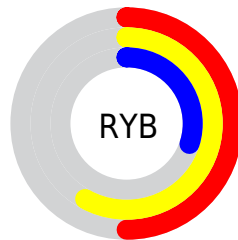
The Yxy color **19.4474, 0.4045, 0.3993** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.9590, 0.2354, 0.2451**, and the grayscale version is **19.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5788, 0.3841, 0.3840**, and **6.7297, 0.4398, 0.4241** is the 20% darker color. If you saturate the color by 10%, you get **17.8660, 0.4279, 0.4122**, and if you desaturate by 10%, it is **21.1736, 0.3821, 0.3849**.

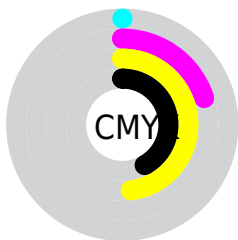
Distribution



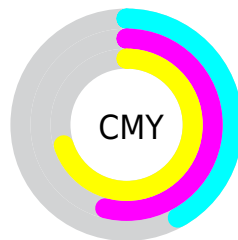
- Red (58%)
- Green (46%)
- Blue (30%)



- Red (50%)
- Yellow (58%)
- Blue (30%)



- Cyan (0%)
- Magenta (20%)
- Yellow (48%)
- Black (42%)



- Cyan (42%)
- Magenta (54%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4474, 0.4045, 0.3993 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 19.4474, 0.4045, 0.3993 by changing the saturation by 10% instead.


 19.4474, 0.4045,
0.3993


 19.4474, 0.4045,
0.3993


248.9077, 0.3524,
0.3608


 11.9940, 0.4195,
0.4096


 42.4887, 0.3840,
0.3846


 6.7396, 0.4398,
0.4228


 58.8455, 0.3768,
0.3793

 3.2998, 0.4697,
0.4409

 78.9388, 0.3709,
0.3749

 1.2902, 0.5260,
0.4740

 103.1531, 0.3660,
0.3712

 0.1336, 0.6761,
0.3239

 131.8727, 0.3618,
0.3680

 0.0000, 0.0000,
0.0000

165.4821, 0.3582,

0.3653

204.3656, 0.3551,
0.3629

■ 19.4474, 0.4045,
0.3993

■ 19.4474, 0.4045,
0.3993

■ 17.8660, 0.4279,
0.4122

■ 21.1736, 0.3821,
0.3849

■ 16.4215, 0.4515,
0.4225

■ 23.0465, 0.3614,
0.3699

■ 15.1093, 0.4743,
0.4292

■ 25.0714, 0.3424,
0.3550

■ 13.9233, 0.4949,
0.4313

■ 27.2527, 0.3254,
0.3405

■ 12.8527, 0.5129,
0.4289

■ 29.5942, 0.3103,
0.3267

■ 12.6791, 0.5161,
0.4284

■ 32.0999, 0.2968,
0.3138

■ 34.7732, 0.2850,
0.3019

■ 37.6179, 0.2745,
0.2909

■ 40.6373, 0.2653,
0.2808

Harmonies

Analogous

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



19.4474, 0.4162, 0.3623



19.4474, 0.4045, 0.3993



19.4474, 0.3679, 0.4215

Triad

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



19.4474, 0.4045, 0.3993



19.4474, 0.2340, 0.3282



19.4474, 0.3003, 0.2579

Complementary

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



19.4474, 0.4045, 0.3993



13.9590, 0.2354, 0.2451

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.



19.4474, 0.2548, 0.2468



19.4474, 0.4045, 0.3993



19.4474, 0.2192, 0.2823

Square

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



19.4474, 0.4045, 0.3993



19.4474, 0.2693, 0.3800



19.4474, 0.2265, 0.2544



19.4474, 0.3532, 0.2845

Rectangle

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



19.4474, 0.4045, 0.3993



19.4474, 0.3353, 0.4215



19.4474, 0.2265, 0.2544



19.4474, 0.2837, 0.2523

Sweetspot

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



19.4483, 0.4045, 0.3993



46.4206, 0.3354, 0.3491



12.4324, 0.3833, 0.2761



10.4229, 0.3388, 0.3520



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.



19.4483, 0.4045, 0.3993



31.7465, 0.4300, 0.4133



27.1693, 0.3762, 0.4455



6.3379, 0.3269, 0.3418



11.0396, 0.5154, 0.4290



0.1936, 0.4645, 0.4694

Inverse Universe

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



13.9590, 0.2354, 0.2451



20.7284, 0.2181, 0.2218



9.0165, 0.2291, 0.1840



6.0119, 0.2989, 0.3159



4.8743, 0.1715, 0.1372



0.1160, 0.1943, 0.2194

Previews

White Background



This preview shows how the Yxy color 19.4474, 0.4045, 0.3993 looks on a white background.

Color Contrast Check

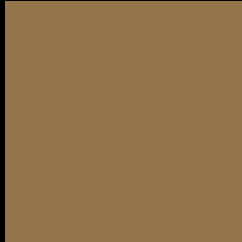
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 19.4474, 0.4045, 0.3993 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 × Fail

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

Yxy 19.4474, 0.4045, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 19.4474, 0.4045, 0.3993.



This preview shows how white text looks on a background with the Yxy color 19.4474, 0.4045, 0.3993.

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

19.4474, 0.4045, 0.3993

Protanopia

19.4557, 0.3793, 0.4098

Deuteranopia

19.5403, 0.4058, 0.3989



Tritanopia

19.5237, 0.3548, 0.3157

Trichromacy



Original Color

19.4474, 0.4045, 0.3993

Protanomaly

19.3720, 0.3887, 0.4062

Deuteranomaly

19.5403, 0.4058, 0.3989

Tritanomaly

19.5181, 0.3742, 0.3463

Monochromacy



Original Color

19.4474, 0.4045, 0.3993

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1987, 0.3436, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4474, 0.4045, 0.3993 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, 117, 76)` looks like.

```
.text, #text, p{  
    color:rgb(147, 117, 76)  
}
```

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, 117, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 117, 76) }
```

Border

The CSS property to change the border of an element to Yxy 19.4474, 0.4045, 0.3993 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, 117, 76) }
```

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

```
.border{ border-color:rgb(147, 117, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 117, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 117, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 117, 76);  
box-shadow:4px 4px 4px 4px rgb(147, 117,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4474, 0.4045, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 117, 76) }
```

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

```
.background{ background-color: rgb(147,  
117, 76) }
```

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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