

Converting Colors

$Y_{xy}(19.9767, 0.4065, 0.3981)$

Have a look what the booklet for
Yxy(19.9767, 0.4065, 0.3981)
contains.

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Color

Yxy(19.9767, 0.4065, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	96764D
RGB	150, 118, 77
RGB Percent	59%, 46%, 30%
CMY	0.4117, 0.5373, 0.6980
CMYK	0.00, 0.21, 0.49, 0.41
HSL	34°, 32%, 45%
HSV	34°, 49%, 59%
XYZ	20.3982, 19.9767, 9.8052
YIQ	122.8940, 32.2330, -5.9670

Conversions

Conversions Part 2

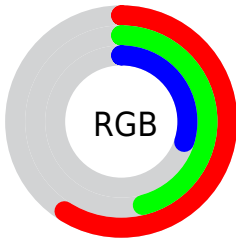
Format	Color
RYB	134, 150, 77
Decimal	9860685
CIELab	51.81, 7.07, 27.27
CIElCh	52, 28.171, 75.470
Yxy	19.9767, 0.4065, 0.3981
Android (android.graphics.Color)	4288050765 (0xFF96764D)
YUV	122.8940, -22.6257, 23.7720
Hunter-Lab	44.6953, 3.2477, 18.2798

Details

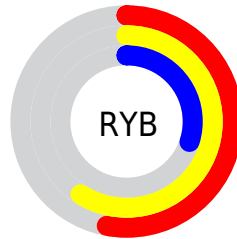
The Yxy color **19.9767, 0.4065, 0.3981** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7262, 0.2351, 0.2465**, and the grayscale version is **19.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4036, 0.3856, 0.3834**, and **7.0206, 0.4425, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **18.2935, 0.4305, 0.4106**, and if you desaturate by 10%, it is **21.8188, 0.3837, 0.3841**.

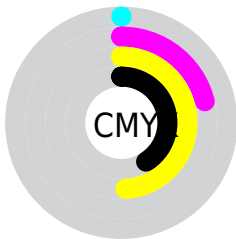
Distribution



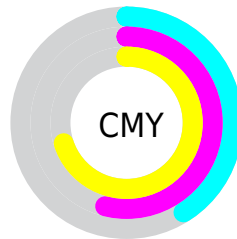
- Red (59%)
- Green (46%)
- Blue (30%)



- Red (53%)
- Yellow (59%)
- Blue (30%)



- Cyan (0%)
- Magenta (21%)
- Yellow (49%)
- Black (41%)




- Cyan (41%)
- Magenta (54%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9767, 0.4065, 0.3981 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 19.9767, 0.4065, 0.3981 by changing the saturation by 10% instead.

 19.9767, 0.4065,
0.3981

 19.9767, 0.4065,
0.3981


251.7890, 0.3535,
0.3605


 12.3781, 0.4217,
0.4080


 43.3781, 0.3857,
0.3839


 7.0017, 0.4423,
0.4205


 59.9497, 0.3784,
0.3787


 3.4632, 0.4718,
0.4370

 80.2811, 0.3723,
0.3744

 1.3781, 0.5302,
0.4698

 104.7567, 0.3673,
0.3707

 0.2005, 0.6443,
0.3557

 133.7609, 0.3630,
0.3676

 0.0000, 0.0000,
0.0000

167.6781, 0.3594,

0.3649

206.8926, 0.3562,
0.3626

■ 19.9767, 0.4065,
0.3981

■ 19.9767, 0.4065,
0.3981

■ 18.2935, 0.4305,
0.4106

■ 21.8188, 0.3837,
0.3841

■ 16.7607, 0.4548,
0.4205

■ 23.8222, 0.3625,
0.3695

■ 15.3733, 0.4783,
0.4266

■ 25.9927, 0.3433,
0.3549

■ 14.1243, 0.4995,
0.4281

■ 28.3350, 0.3261,
0.3407

■ 13.0021, 0.5182,
0.4252

■ 30.8534, 0.3108,
0.3272

■ 12.8594, 0.5208,
0.4247

■ 33.5522, 0.2973,
0.3147

■ 36.4355, 0.2854,
0.3030

■ 39.5071, 0.2749,
0.2923

■ 42.7708, 0.2657,
0.2824

Harmonies

Analogous

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



19.9767, 0.4167, 0.3603



19.9767, 0.4065, 0.3981



19.9767, 0.3706, 0.4216

Triad

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



19.9767, 0.4065, 0.3981



19.9767, 0.2348, 0.3309



19.9767, 0.2975, 0.2564

Complementary

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



19.9767, 0.4065, 0.3981



14.7262, 0.2351, 0.2465

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.



19.9767, 0.2525, 0.2461



19.9767, 0.4065, 0.3981



19.9767, 0.2187, 0.2839

Square

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



19.9767, 0.4065, 0.3981



19.9767, 0.2713, 0.3829



19.9767, 0.2250, 0.2548



19.9767, 0.3508, 0.2824

Rectangle

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



19.9767, 0.4065, 0.3981



19.9767, 0.3381, 0.4228



19.9767, 0.2250, 0.2548



19.9767, 0.2810, 0.2511

Sweetspot

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



19.9777, 0.4065, 0.3981



47.2174, 0.3373, 0.3500



12.9187, 0.3821, 0.2736



10.2935, 0.3406, 0.3527



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.



19.9777, 0.4065, 0.3981



32.1402, 0.4317, 0.4111



28.4981, 0.3781, 0.4459



6.3230, 0.3269, 0.3414



10.7277, 0.5198, 0.4255



0.1901, 0.4668, 0.4675

Inverse Universe

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



14.7262, 0.2351, 0.2465



21.8049, 0.2187, 0.2247



9.2476, 0.2268, 0.1820



6.0265, 0.2989, 0.3163



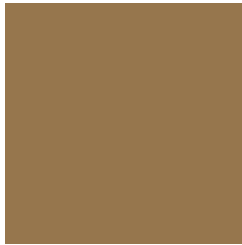
5.1000, 0.1728, 0.1421



0.1195, 0.1954, 0.2236

Previews

White Background



This preview shows how the Yxy color 19.9767, 0.4065, 0.3981 looks on a white background.

Color Contrast Check

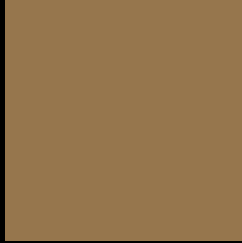
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9767, 0.4065, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

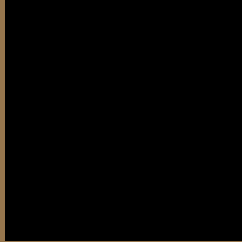
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9767, 0.4065, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 19.9767, 0.4065, 0.3981.



This preview shows how white text looks on a background with the Yxy color 19.9767, 0.4065, 0.3981.

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

19.9767, 0.4065, 0.3981

Protanopia

20.1307, 0.3795, 0.4105

Deuteranopia

19.9767, 0.4065, 0.3981



Tritanopia

20.0608, 0.3572, 0.3159

Trichromacy



Original Color

19.9767, 0.4065, 0.3981

Protanomaly

20.0446, 0.3887, 0.4069

Deuteranomaly

19.9767, 0.4065, 0.3981

Tritanomaly

20.0537, 0.3764, 0.3460

Monochromacy



Original Color

19.9767, 0.4065, 0.3981

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7019, 0.3459, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9767, 0.4065, 0.3981 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(150, 118, 77)` looks like.

```
.text, #text, p{  
    color:rgb(150, 118, 77)  
}
```

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(150, 118, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 118, 77) }
```

Border

The CSS property to change the border of an element to Yxy 19.9767, 0.4065, 0.3981 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(150, 118, 77) }
```

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

```
.border{ border-color:rgb(150, 118, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 118, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 118, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 118, 77);  
box-shadow:4px 4px 4px 4px rgb(150, 118,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9767, 0.4065, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 118, 77) }
```

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

```
.background{ background-color: rgb(150,  
118, 77) }
```

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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