

Converting Colors

$Y_{xy}(19.9735, 0.4047, 0.4029)$

Have a look what the booklet for
Yxy(19.9735, 0.4047, 0.4029)
contains.

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Color

Yxy(19.9976, 0.4054, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	94774B
RGB	148, 119, 75
RGB Percent	58%, 47%, 29%
CMY	0.4195, 0.5333, 0.7059
CMYK	0.00, 0.20, 0.49, 0.42
HSL	36°, 33%, 44%
HSV	36°, 49%, 58%
XYZ	20.0818, 19.9976, 9.4564
YIQ	122.6550, 31.4080, -7.5360

Conversions

Conversions Part 2

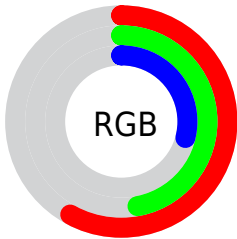
Format	Color
RYB	123, 148, 75
Decimal	9729867
CIELab	51.83, 5.41, 28.39
CIELCh	52, 28.897, 79.210
Yxy	19.9976, 0.4054, 0.4037
Android (android.graphics.Color)	4287919947 (0xFF94774B)
YUV	122.6550, -23.4939, 22.2276
Hunter-Lab	44.7187, 1.9013, 18.7654

Details

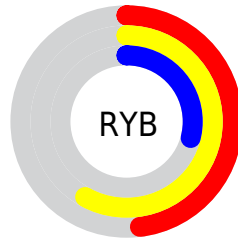
The Yxy color **19.9976, 0.4054, 0.4037** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.5374, 0.2329, 0.2388**, and the grayscale version is **19.7595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4439, 0.3850, 0.3875**, and **7.0281, 0.4397, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **18.4619, 0.4280, 0.4169**, and if you desaturate by 10%, it is **21.6691, 0.3835, 0.3889**.

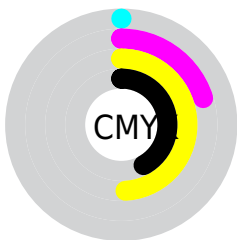
Distribution



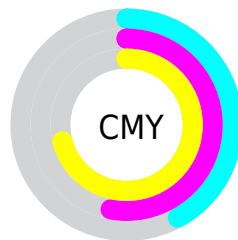
- Red (58%)
- Green (47%)
- Blue (29%)



- Red (48%)
- Yellow (58%)
- Blue (29%)



- Cyan (0%)
- Magenta (20%)
- Yellow (49%)
- Black (42%)




- Cyan (42%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9976, 0.4054, 0.4037 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 19.9976, 0.4054, 0.4037 by changing the saturation by 10% instead.


 19.9976, 0.4054,
0.4037


 19.9976, 0.4054,
0.4037


251.9021, 0.3532,
0.3629


 12.3933, 0.4202,
0.4146


 43.4132, 0.3850,
0.3882


 7.0121, 0.4401,
0.4284


 59.9932, 0.3778,
0.3826

 3.4697, 0.4690,
0.4475

 80.3340, 0.3718,
0.3779

 1.3816, 0.5204,
0.4796

 104.8198, 0.3669,
0.3739

 0.2031, 0.6155,
0.3845

 133.8352, 0.3627,
0.3705

 0.0000, 0.0000,
0.0000

167.7644, 0.3591,

0.3676

206.9919, 0.3559,
0.3651

■ 19.9976, 0.4054,
0.4037

■ 19.9976, 0.4054,
0.4037

■ 18.4619, 0.4280,
0.4169

■ 21.6691, 0.3835,
0.3889

■ 17.0541, 0.4506,
0.4274

■ 23.4780, 0.3630,
0.3733

■ 15.7700, 0.4720,
0.4341

■ 25.4294, 0.3441,
0.3577

■ 14.6035, 0.4911,
0.4362

■ 27.5275, 0.3271,
0.3425

■ 13.5425, 0.5079,
0.4342

■ 29.7758, 0.3118,
0.3281

■ 13.4750, 0.5090,
0.4340

■ 32.1782, 0.2981,
0.3145

■ 34.7380, 0.2861,
0.3019

■ 37.4587, 0.2754,
0.2903

■ 40.3433, 0.2659,
0.2796

Harmonies

Analogous

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



19.9976, 0.4198, 0.3661



19.9976, 0.4054, 0.4037



19.9976, 0.3660, 0.4253

Triad

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



19.9976, 0.4054, 0.4037



19.9976, 0.2296, 0.3242



19.9976, 0.3037, 0.2573

Complementary

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



19.9976, 0.4054, 0.4037



13.5374, 0.2329, 0.2388

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.



19.9976, 0.2559, 0.2446



19.9976, 0.4054, 0.4037



19.9976, 0.2162, 0.2778

Square

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



19.9976, 0.4054, 0.4037



19.9976, 0.2646, 0.3782



19.9976, 0.2253, 0.2507



19.9976, 0.3584, 0.2855

Rectangle

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



19.9976, 0.4054, 0.4037



19.9976, 0.3320, 0.4239



19.9976, 0.2253, 0.2507



19.9976, 0.2863, 0.2512

Sweetspot

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



19.9986, 0.4054, 0.4037



46.3193, 0.3370, 0.3515



12.3322, 0.3901, 0.2790



10.4141, 0.3404, 0.3544



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.



19.9986, 0.4054, 0.4037



32.3487, 0.4300, 0.4179



27.3313, 0.3746, 0.4491



6.3617, 0.3268, 0.3423



11.5609, 0.5083, 0.4346



0.1993, 0.4608, 0.4723

Inverse Universe

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



13.5374, 0.2329, 0.2388



19.6388, 0.2154, 0.2145



8.9768, 0.2296, 0.1813



5.9886, 0.2989, 0.3153



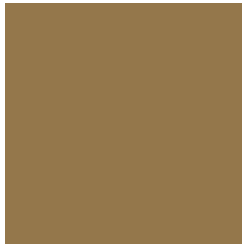
4.5323, 0.1694, 0.1297



0.1103, 0.1924, 0.2125

Previews

White Background



This preview shows how the Yxy color 19.9976, 0.4054, 0.4037 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 19.9976, 0.4054, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

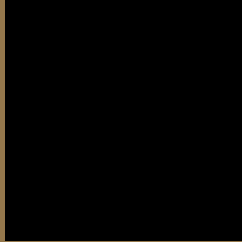
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9976, 0.4054, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 19.9976, 0.4054, 0.4037.



This preview shows how white text looks on a background with the Yxy color 19.9976, 0.4054, 0.4037.

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

19.9976, 0.4054, 0.4037

Protanopia

20.1020, 0.3817, 0.4139

Deuteranopia

19.9489, 0.4089, 0.4013



Tritanopia

19.8908, 0.3532, 0.3141

Trichromacy



Original Color

19.9976, 0.4054, 0.4037

Protanomaly

20.0163, 0.3910, 0.4102

Deuteranomaly

19.8544, 0.4075, 0.4017

Tritanomaly

19.8607, 0.3738, 0.3462

Monochromacy



Original Color

19.9976, 0.4054, 0.4037

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8652, 0.3443, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9976, 0.4054, 0.4037 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(148, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(148, 119, 75)  
}
```

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(148, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 119, 75) }
```

Border

The CSS property to change the border of an element to Yxy 19.9976, 0.4054, 0.4037 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(148, 119, 75) }
```

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

```
.border{ border-color:rgb(148, 119, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(148, 119,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9976, 0.4054, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 119, 75) }
```

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

```
.background{ background-color: rgb(148,  
119, 75) }
```

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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