

Converting Colors

$Y_{xy}(16.8099, 0.4067, 0.3392)$

Have a look what the booklet for
Yxy(16.8099, 0.4067, 0.3392)
contains.

Yxy(16.7819, 0.4073, 0.3393)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7819, 0.4073, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	9C635D
RGB	156, 99, 93
RGB Percent	61%, 39%, 36%
CMY	0.3883, 0.6117, 0.6353
CMYK	0.00, 0.37, 0.40, 0.39
HSL	6°, 25%, 49%
HSV	6°, 40%, 61%
XYZ	20.1452, 16.7819, 12.5333
YIQ	115.3590, 35.8980, 10.2180

Conversions

Conversions Part 2

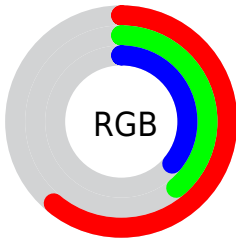
Format	Color
R_{YB}	156, 100, 93
Decimal	10249053
CIE Lab	47.98, 22.32, 13.03
CIE LCh	48, 25.844, 30.272
Yxy	16.7819, 0.4073, 0.3393
Android (android.graphics.Color)	4288439133 (0xFF9C635D)
YUV	115.3590, -11.0230, 35.6422
Hunter-Lab	40.9657, 16.0887, 10.5365

Details

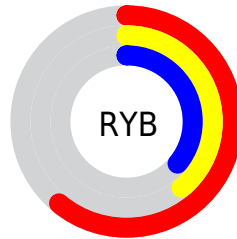
The Yxy color **16.7819, 0.4073, 0.3393** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.5291, 0.2568, 0.3182**, and the grayscale version is **17.2856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7929, 0.3847, 0.3380**, and **5.3977, 0.4506, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **14.0897, 0.4438, 0.3416**, and if you desaturate by 10%, it is **19.9992, 0.3765, 0.3367**.

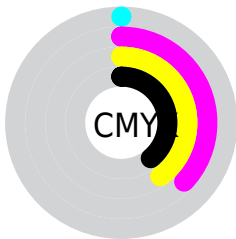
Distribution



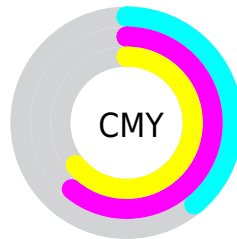
- Red (61%)
- Green (39%)
- Blue (36%)



- Red (61%)
- Yellow (39%)
- Blue (36%)



- Cyan (0%)
- Magenta (37%)
- Yellow (40%)
- Black (39%)





- Cyan (39%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7819, 0.4073, 0.3393 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 16.7819, 0.4073, 0.3393 by changing the saturation by 10% instead.

 16.7819, 0.4073,
0.3393

 16.7819, 0.4073,
0.3393


233.9124, 0.3515,
0.3349


 10.0791, 0.4250,
0.3397


 37.9504, 0.3845,
0.3381


 5.4514, 0.4506,
0.3395

 53.1849, 0.3768,
0.3375

 2.5145, 0.4903,
0.3371

 72.0321, 0.3705,
0.3369

 0.8839, 0.6175,
0.3614

 94.8764, 0.3654,
0.3364

 0.0000, 1.0000,
0.0000

122.1022, 0.3611,
0.3360

 0.0000, 0.0000,
0.0000

154.0938, 0.3574,

0.3356

191.2358, 0.3543,
0.3352

■ 16.7819, 0.4073,
0.3393

■ 16.7819, 0.4073,
0.3393

■ 14.0897, 0.4438,
0.3416

■ 19.9992, 0.3765,
0.3367

■ 11.8924, 0.4853,
0.3433

■ 23.7649, 0.3511,
0.3340

■ 10.1604, 0.5296,
0.3438


■ 28.1037, 0.3303,
0.3315


■ 8.8602, 0.5723,
0.3427

■ 33.0382, 0.3133,
0.3291

■ 7.9536, 0.6074,
0.3397


■ 38.5898, 0.2994,
0.3269

 7.4047, 0.6313,
0.3369

 44.7788, 0.2881,
0.3249

 51.6246, 0.2787,
0.3231

 59.1456, 0.2710,
0.3215

 67.3597, 0.2645,
0.3200

Harmonies

Analogous

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



16.7819, 0.3736, 0.3004



16.7819, 0.4073, 0.3393



16.7819, 0.4127, 0.3789

Triad

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



16.7819, 0.4073, 0.3393



16.7819, 0.2961, 0.4018



16.7819, 0.2380, 0.2501

Complementary

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



16.7819, 0.4073, 0.3393



26.5291, 0.2568, 0.3182

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.



16.7819, 0.2214, 0.2687



16.7819, 0.4073, 0.3393



16.7819, 0.2527, 0.3571

Square

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



16.7819, 0.4073, 0.3393



16.7819, 0.3462, 0.4211



16.7819, 0.2264, 0.3068



16.7819, 0.2740, 0.2510

Rectangle

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



16.7819, 0.4073, 0.3393



16.7819, 0.3999, 0.4013



16.7819, 0.2264, 0.3068



16.7819, 0.2302, 0.2540

Sweetspot

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



16.7827, 0.4073, 0.3393



49.5107, 0.3338, 0.3319



17.1205, 0.3240, 0.2393



10.6834, 0.3361, 0.3322



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.7827, 0.4073, 0.3393



26.2394, 0.4382, 0.3413



23.7523, 0.3869, 0.3889



6.7430, 0.3282, 0.3312



6.1262, 0.6306, 0.3375



0.1358, 0.5913, 0.3687

Inverse Universe

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



26.5291, 0.2568, 0.3182



46.3022, 0.2473, 0.3155



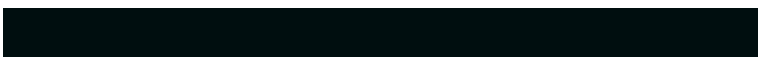
17.9782, 0.2479, 0.2601



7.4011, 0.2988, 0.3268



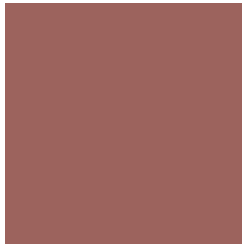
17.7210, 0.2165, 0.2994



0.3451, 0.2201, 0.3122

Previews

White Background



This preview shows how the Yxy color 16.7819, 0.4073, 0.3393 looks on a white background.

Color Contrast Check

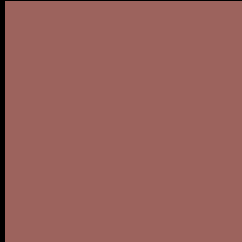
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.7819, 0.4073, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

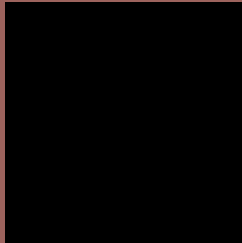
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7819, 0.4073, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 16.7819, 0.4073, 0.3393.

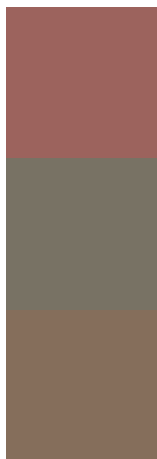


This preview shows how white text looks on a background with the Yxy color 16.7819, 0.4073, 0.3393.

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

16.7819, 0.4073, 0.3393

Protanopia

16.9478, 0.3382, 0.3569

Deuteranopia

16.8937, 0.3702, 0.3650



Tritanopia

16.7374, 0.3913, 0.3160

Trichromacy



Original Color

16.7819, 0.4073, 0.3393

Protanomaly

16.7869, 0.3625, 0.3518

Deuteranomaly

16.7435, 0.3827, 0.3546

Tritanomaly

16.8430, 0.3970, 0.3243

Monochromacy



Original Color

16.7819, 0.4073, 0.3393

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7446, 0.3445, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7819, 0.4073, 0.3393 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(156, 99, 93)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 93)  
}
```

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(156, 99, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 93) }
```

Border

The CSS property to change the border of an element to Yxy 16.7819, 0.4073, 0.3393 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(156, 99, 93) }
```

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

```
.border{ border-color:rgb(156, 99, 93) }
```

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

Here you see how a box with a 4 pixel rgb(156, 99, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 99, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 99, 93);  
box-shadow:4px 4px 4px 4px rgb(156, 99,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7819, 0.4073, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 93) }
```

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

```
.background{ background-color: rgb(156, 99,  
93) }
```

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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