

Converting Colors

$Y_{xy}(19.8740, 0.3440, 0.3780)$

Have a look what the booklet for
Yxy(19.8740, 0.3440, 0.3780)
contains.

Yxy(20.0037, 0.3439, 0.3781)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0037, 0.3439, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	7E7D63
RGB	126, 125, 99
RGB Percent	49%, 49%, 39%
CMY	0.5057, 0.5098, 0.6117
CMYK	0.00, 0.01, 0.21, 0.51
HSL	58°, 12%, 44%
HSV	58°, 21%, 49%
XYZ	18.1943, 20.0037, 14.7078
YIQ	122.3350, 8.9420, -7.8740

Conversions

Conversions Part 2

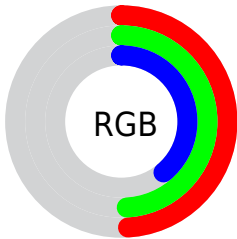
Format	Color
R_{YB}	100, 126, 99
Decimal	8289635
CIE _{Lab}	51.84, -4.26, 14.35
CIE _{LCh}	52, 14.968, 106.529
Yxy	20.0037, 0.3439, 0.3781
Android (android.graphics.Color)	4286479715 (0xFF7E7D63)
YUV	122.3350, -11.5042, 3.2142
Hunter-Lab	44.7255, -5.6559, 11.8105

Details

The Yxy color **20.0037, 0.3439, 0.3781** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.2850, 0.2786, 0.2747**, and the grayscale version is **19.6157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6265, 0.3368, 0.3672**, and **6.9946, 0.3574, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **19.6587, 0.3588, 0.4013**, and if you desaturate by 10%, it is **20.3887, 0.3291, 0.3549**.

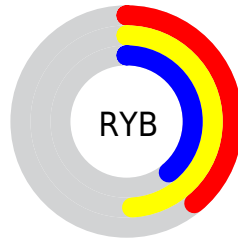
Distribution



Red (49%)

Green (49%)

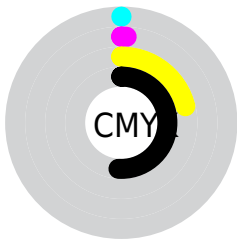
Blue (39%)



Red (39%)

Yellow (49%)

Blue (39%)

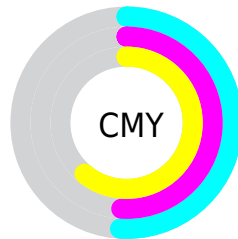


Cyan (0%)

Magenta (1%)

Yellow (21%)

Black (51%)



Cyan (51%)


Magenta (51%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0037, 0.3439, 0.3781 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 20.0037, 0.3439, 0.3781 by changing the saturation by 10% instead.


 20.0037, 0.3439,
0.3781


 20.0037, 0.3439,
0.3781


251.9351, 0.3263,
0.3499


 12.3977, 0.3491,
0.3867


 43.4234, 0.3370,
0.3668


 7.0152, 0.3562,
0.3990


 60.0059, 0.3345,
0.3629

 3.4716, 0.3666,
0.4176

 80.3494, 0.3326,
0.3597

 1.3826, 0.3949,
0.4630

 104.8382, 0.3309,
0.3570

 0.2039, 0.3058,
0.6942

133.8568, 0.3295,
0.3548

 0.0000, 0.0000,
0.0000

167.7896, 0.3283,

0.3529

207.0209, 0.3272,
0.3513

■ 20.0037, 0.3439,
0.3781

■ 20.0037, 0.3439,
0.3781

■ 19.6587, 0.3588,
0.4013

■ 20.3887, 0.3291,
0.3549

■ 19.3493, 0.3732,
0.4236

■ 20.8127, 0.3147,
0.3322

■ 19.0745, 0.3868,
0.4443

■ 21.2781, 0.3011,
0.3105

■ 18.8323, 0.3990,
0.4625

■ 21.7864, 0.2882,
0.2901

■ 18.6204, 0.4091,
0.4775

■ 22.3389, 0.2764,
0.2710

■ 18.4362, 0.4170,
0.4886

■ 22.9369, 0.2655,
0.2535

■ 18.2768, 0.4225,
0.4957

■ 23.5817, 0.2555,
0.2374

■ 18.1513, 0.4260,
0.5000

■ 24.2746, 0.2465,
0.2228

■ 25.0167, 0.2383,
0.2096

Harmonies

Analogous

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



20.0037, 0.3627, 0.3682



20.0037, 0.3439, 0.3781



20.0037, 0.3173, 0.3739

Triad

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



20.0037, 0.3439, 0.3781



20.0037, 0.2606, 0.3054



20.0037, 0.3344, 0.3041

Complementary

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



20.0037, 0.3439, 0.3781



13.2850, 0.2786, 0.2747

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.



20.0037, 0.3062, 0.2888



20.0037, 0.3439, 0.3781



20.0037, 0.2646, 0.2886

Square

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



20.0037, 0.3439, 0.3781



20.0037, 0.2698, 0.3301



20.0037, 0.2809, 0.2830



20.0037, 0.3573, 0.3256

Rectangle

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



20.0037, 0.3439, 0.3781



20.0037, 0.2988, 0.3632



20.0037, 0.2809, 0.2830



20.0037, 0.3251, 0.2981

Sweetspot

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



20.0046, 0.3439, 0.3781



36.2518, 0.3214, 0.3428



14.2905, 0.3516, 0.3265



8.2375, 0.3221, 0.3439



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



20.0046, 0.3439, 0.3781



34.8670, 0.3516, 0.3901



19.4015, 0.3281, 0.3825



4.9918, 0.3257, 0.3495



18.6077, 0.4260, 0.4999



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2850, 0.2786, 0.2747



20.7201, 0.2692, 0.2596



13.8228, 0.2946, 0.2750



4.2364, 0.2993, 0.3076



1.6526, 0.1511, 0.0637



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0037, 0.3439, 0.3781 looks on a white background.

Color Contrast Check

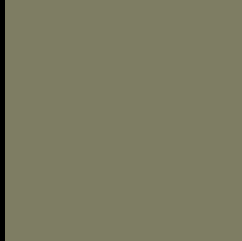
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0037, 0.3439, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

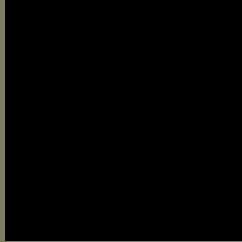
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0037, 0.3439, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 20.0037, 0.3439, 0.3781.



This preview shows how white text looks on a background with the Yxy color 20.0037, 0.3439, 0.3781.

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

20.0037, 0.3439, 0.3781

Protanopia

19.8731, 0.3523, 0.3755

Deuteranopia

19.9534, 0.3676, 0.3627



Tritanopia

20.0323, 0.3135, 0.3128

Trichromacy



Original Color

20.0037, 0.3439, 0.3781

Protanomaly

19.9643, 0.3493, 0.3776

Deuteranomaly

19.9132, 0.3587, 0.3671

Tritanomaly

19.9181, 0.3249, 0.3345

Monochromacy



Original Color

20.0037, 0.3439, 0.3781

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5918, 0.3230, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0037, 0.3439, 0.3781 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(126, 125, 99)` looks like.

```
.text, #text, p{  
    color:rgb(126, 125, 99)  
}
```

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(126, 125, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 125, 99) }
```

Border

The CSS property to change the border of an element to Yxy 20.0037, 0.3439, 0.3781 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(126, 125, 99) }
```

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

```
.border{ border-color:rgb(126, 125, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 125, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 125, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 125, 99);  
box-shadow:4px 4px 4px 4px rgb(126, 125,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0037, 0.3439, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 125, 99) }
```

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

```
.background{ background-color: rgb(126,  
125, 99) }
```

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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