

Converting Colors

$Y_{xy}(17.8231, 0.3949, 0.4006)$

Have a look what the booklet for
Yxy(17.8231, 0.3949, 0.4006)
contains.

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Color

Yxy(17.8610, 0.3943, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	89724B
RGB	137, 114, 75
RGB Percent	54%, 45%, 29%
CMY	0.4628, 0.5529, 0.7058
CMYK	0.00, 0.17, 0.45, 0.46
HSL	38°, 29%, 42%
HSV	38°, 45%, 54%
XYZ	17.6021, 17.8610, 9.1783
YIQ	116.4310, 26.2270, -7.2530

Conversions

Conversions Part 2

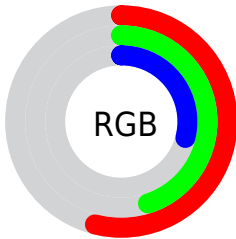
Format	Color
R_{YB}	112, 137, 75
Decimal	9007691
CIE Lab	49.33, 3.42, 24.94
CIE LCh	49, 25.173, 82.196
Yxy	17.8610, 0.3943, 0.4001
Android (android.graphics.Color)	4287197771 (0xFF89724B)
YUV	116.4310, -20.4255, 18.0390
Hunter-Lab	42.2623, 0.3856, 16.7074

Details

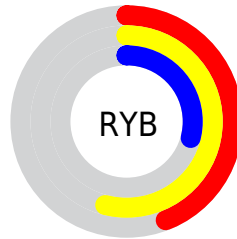
The Yxy color **17.8610, 0.3943, 0.4001** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.0346, 0.2396, 0.2447**, and the grayscale version is **17.6626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9341, 0.3763, 0.3852**, and **5.9215, 0.4263, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **16.5799, 0.4158, 0.4146**, and if you desaturate by 10%, it is **19.2478, 0.3737, 0.3844**.

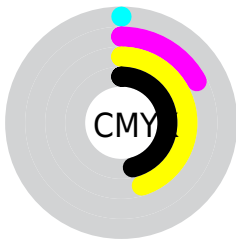
Distribution



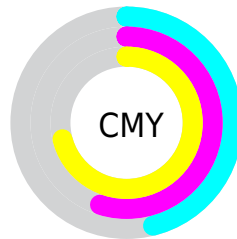
- Red (54%)
- Green (45%)
- Blue (29%)



- Red (44%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (17%)
- Yellow (45%)
- Black (46%)





- Cyan (46%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8610, 0.3943, 0.4001 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 17.8610, 0.3943, 0.4001 by changing the saturation by 10% instead.


 17.8610, 0.3943,
0.4001


 17.8610, 0.3943,
0.4001


240.0864, 0.3475,
0.3601


 10.8502, 0.4081,
0.4114


 39.8003, 0.3757,
0.3845


 5.9662, 0.4270,
0.4265

 55.4977, 0.3692,
0.3789


 2.8245, 0.4569,
0.4498

 74.8594, 0.3639,
0.3744

 1.0408, 0.5104,
0.4896

 98.2698, 0.3595,
0.3706

 0.0000, 1.0000,
0.0000

 126.1133, 0.3558,
0.3673

 0.0000, 0.0000,
0.0000

158.7743, 0.3526,

0.3646

196.6372, 0.3499,
0.3622

■ 17.8610, 0.3943,
0.4001

■ 17.8610, 0.3943,
0.4001

■ 16.5799, 0.4158,
0.4146

■ 19.2478, 0.3737,
0.3844

■ 15.3982, 0.4374,
0.4269

■ 20.7412, 0.3544,
0.3682

■ 14.3130, 0.4581,
0.4359

■ 22.3452, 0.3366,
0.3522

■ 13.3198, 0.4771,
0.4408

■ 24.0627, 0.3205,
0.3368

■ 12.4127, 0.4934,
0.4409

■ 25.8967, 0.3060,
0.3222

■ 12.0047, 0.5010,
0.4404

■ 27.8499, 0.2931,
0.3085

■ 29.9248, 0.2816,
0.2958

■ 32.1240, 0.2714,
0.2841

■ 34.4500, 0.2623,
0.2734

Harmonies

Analogous

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



17.8610, 0.4096, 0.3672



17.8610, 0.3943, 0.4001



17.8610, 0.3572, 0.4166

Triad

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



17.8610, 0.3943, 0.4001



17.8610, 0.2349, 0.3203



17.8610, 0.3097, 0.2655

Complementary

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



17.8610, 0.3943, 0.4001



12.0346, 0.2396, 0.2447

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.



17.8610, 0.2649, 0.2522



17.8610, 0.3943, 0.4001



17.8610, 0.2244, 0.2796

Square

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



17.8610, 0.3943, 0.4001



17.8610, 0.2653, 0.3687



17.8610, 0.2349, 0.2564



17.8610, 0.3588, 0.2927

Rectangle

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



17.8610, 0.3943, 0.4001



17.8610, 0.3259, 0.4129



17.8610, 0.2349, 0.2564



17.8610, 0.2936, 0.2593

Sweetspot

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



17.8618, 0.3943, 0.4001



40.3048, 0.3350, 0.3507



11.2471, 0.3821, 0.2852



8.9143, 0.3382, 0.3537



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.8618, 0.3943, 0.4001



29.7101, 0.4157, 0.4145



23.1210, 0.3685, 0.4395



5.5384, 0.3266, 0.3427



11.2086, 0.5007, 0.4406



0.1026, 0.4571, 0.4752

Inverse Universe

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



12.0346, 0.2396, 0.2447



17.9532, 0.2230, 0.2220



8.6441, 0.2396, 0.1967



5.1762, 0.2991, 0.3149



3.8922, 0.1674, 0.1227



0.0522, 0.1903, 0.2051

Previews

White Background



This preview shows how the Yxy color 17.8610, 0.3943, 0.4001 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 17.8610, 0.3943, 0.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

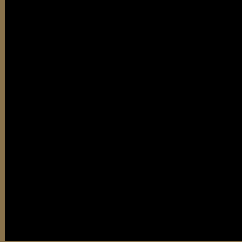
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8610, 0.3943, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 17.8610, 0.3943, 0.4001.



This preview shows how white text looks on a background with the Yxy color 17.8610, 0.3943, 0.4001.

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

17.8610, 0.3943, 0.4001

Protanopia

17.8336, 0.3782, 0.4071

Deuteranopia

17.7591, 0.4016, 0.3952



Tritanopia

17.8844, 0.3462, 0.3149

Trichromacy



Original Color

17.8610, 0.3943, 0.4001

Protanomaly

17.8379, 0.3831, 0.4041

Deuteranomaly

17.8937, 0.3994, 0.3972

Tritanomaly

17.9036, 0.3646, 0.3454

Monochromacy



Original Color

17.8610, 0.3943, 0.4001

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.4861, 0.3421, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8610, 0.3943, 0.4001 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(137, 114, 75)` looks like.

```
.text, #text, p{  
    color:rgb(137, 114, 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(137, 114, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 114, 75) }
```

Border

The CSS property to change the border of an element to Yxy 17.8610, 0.3943, 0.4001 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(137, 114, 75) }
```

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

```
.border{ border-color:rgb(137, 114, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 114, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 114, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 114, 75);  
box-shadow:4px 4px 4px 4px rgb(137, 114,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8610, 0.3943, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 114, 75) }
```

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

```
.background{ background-color: rgb(137,  
114, 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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