

Converting Colors

$Y_{xy}(14.8344, 0.3912, 0.3832)$

Have a look what the booklet for
Yxy(14.8344, 0.3912, 0.3832)
contains.

Yxy(14.8756, 0.3913, 0.3836)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.8756, 0.3913, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	81674B
RGB	129, 103, 75
RGB Percent	51%, 40%, 29%
CMY	0.4941, 0.5961, 0.7059
CMYK	0.00, 0.20, 0.42, 0.49
HSL	31°, 26%, 40%
HSV	31°, 42%, 51%
XYZ	15.1742, 14.8756, 8.7291
YIQ	107.5820, 24.4840, -3.1960

Conversions

Conversions Part 2

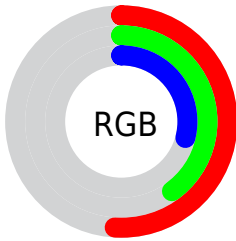
Format	Color
R_{YB}	125, 129, 75
Decimal	8480587
CIE _{Lab}	45.46, 6.32, 19.73
CIE _{LCh}	45, 20.719, 72.254
Yxy	14.8756, 0.3913, 0.3836
Android (android.graphics.Color)	4286670667 (0xFF81674B)
YUV	107.5820, -16.0629, 18.7836
Hunter-Lab	38.5689, 2.7318, 13.5794

Details

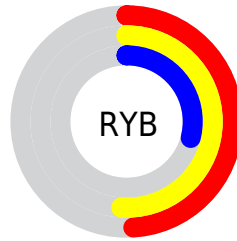
The Yxy color **14.8756, 0.3913, 0.3836** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.3906, 0.2479, 0.2667**, and the grayscale version is **14.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6337, 0.3722, 0.3713**, and **4.5418, 0.4283, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **13.5268, 0.4153, 0.3962**, and if you desaturate by 10%, it is **16.3534, 0.3691, 0.3703**.

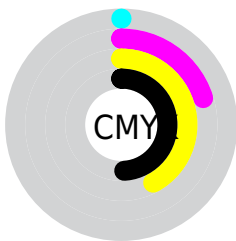
Distribution



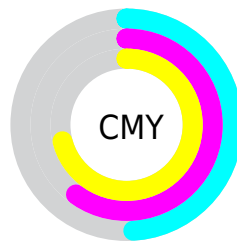
- Red (51%)
- Green (40%)
- Blue (29%)



- Red (49%)
- Yellow (51%)
- Blue (29%)



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



- Cyan (49%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8756, 0.3913, 0.3836 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 14.8756, 0.3913, 0.3836 by changing the saturation by 10% instead.


 14.8756, 0.3913,
0.3836


 14.8756, 0.3913,
0.3836


222.6120, 0.3447,
0.3523


 8.7321, 0.4061,
0.3928


 34.6348, 0.3722,
0.3712


 4.5669, 0.4274,
0.4052

 49.0193, 0.3657,
0.3668


 1.9954, 0.4672,
0.4288

 66.9196, 0.3605,
0.3633

 0.6048, 0.5466,
0.4534

 88.7201, 0.3562,
0.3603

 0.0000, 0.0000,
0.0000

 114.8052, 0.3526,
0.3579

145.5593, 0.3495,

0.3557

181.3668, 0.3469,
0.3539

■ 14.8756, 0.3913,
0.3836

■ 14.8756, 0.3913,
0.3836

■ 13.5268, 0.4153,
0.3962

■ 16.3534, 0.3691,
0.3703

■ 12.3009, 0.4407,
0.4071

■ 17.9622, 0.3491,
0.3568

■ 11.1940, 0.4664,
0.4152

■ 19.7062, 0.3312,
0.3437

■ 10.2013, 0.4913,
0.4195

■ 21.5891, 0.3154,
0.3312

■ 9.3174, 0.5137,
0.4189

■ 23.6142, 0.3015,
0.3195

■ 8.6676, 0.5311,
0.4165

■ 25.7848, 0.2894,
0.3086

■ 28.1040, 0.2787,
0.2986

■ 30.5749, 0.2693,
0.2894

■ 33.2004, 0.2610,
0.2809

Harmonies

Analogous

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



14.8756, 0.3964, 0.3523



14.8756, 0.3913, 0.3836



14.8756, 0.3644, 0.4032

Triad

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



14.8756, 0.3913, 0.3836



14.8756, 0.2514, 0.3357



14.8756, 0.2962, 0.2673

Complementary

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



14.8756, 0.3913, 0.3836



12.3906, 0.2479, 0.2667

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.



14.8756, 0.2602, 0.2605



14.8756, 0.3913, 0.3836



14.8756, 0.2357, 0.2966

Square

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



14.8756, 0.3913, 0.3836



14.8756, 0.2834, 0.3761



14.8756, 0.2389, 0.2702



14.8756, 0.3394, 0.2878

Rectangle

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



14.8756, 0.3913, 0.3836



14.8756, 0.3387, 0.4049



14.8756, 0.2389, 0.2702



14.8756, 0.2829, 0.2633

Sweetspot

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



14.8763, 0.3913, 0.3836



34.8195, 0.3337, 0.3456



10.6422, 0.3643, 0.2784



7.7441, 0.3370, 0.3481



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



14.8763, 0.3913, 0.3836



24.3802, 0.4136, 0.3953



20.8072, 0.3714, 0.4284



4.6842, 0.3267, 0.3402



8.4587, 0.5310, 0.4166



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3906, 0.2479, 0.2667



19.3149, 0.2335, 0.2497



8.1508, 0.2396, 0.2066



4.5268, 0.2993, 0.3176



4.9257, 0.1769, 0.1569



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.8756, 0.3913, 0.3836 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 14.8756, 0.3913, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

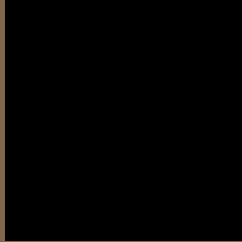
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8756, 0.3913, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 14.8756, 0.3913, 0.3836.



This preview shows how white text looks on a background with the Yxy color 14.8756, 0.3913, 0.3836.

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

14.8756, 0.3913, 0.3836

Protanopia

14.9739, 0.3654, 0.3935

Deuteranopia

14.8756, 0.3913, 0.3836



Tritanopia

14.8698, 0.3521, 0.3158

Trichromacy



Original Color

14.8756, 0.3913, 0.3836

Protanomaly

14.8948, 0.3755, 0.3900

Deuteranomaly

14.8756, 0.3913, 0.3836

Tritanomaly

14.7659, 0.3667, 0.3388

Monochromacy



Original Color

14.8756, 0.3913, 0.3836

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.8656, 0.3404, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8756, 0.3913, 0.3836 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(129, 103, 75)` looks like.

```
.text, #text, p{  
    color:rgb(129, 103, 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(129, 103, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 103, 75) }
```

Border

The CSS property to change the border of an element to Yxy 14.8756, 0.3913, 0.3836 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(129, 103, 75) }
```

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

```
.border{ border-color:rgb(129, 103, 75) }
```

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

Here you see how a box with a 4 pixel rgb(129, 103, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 103, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 103, 75);  
box-shadow:4px 4px 4px 4px rgb(129, 103,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8756, 0.3913, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 103, 75) }
```

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

```
.background{ background-color: rgb(129,  
103, 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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