

Converting Colors

$Y_{xy}(25.1149, 0.3784, 0.4132)$

Have a look what the booklet for
Yxy(25.1149, 0.3784, 0.4132)
contains.

Yxy(25.1610, 0.3784, 0.4135)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.1610, 0.3784, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	948A57
RGB	148, 138, 87
RGB Percent	58%, 54%, 34%
CMY	0.4195, 0.4588, 0.6588
CMYK	0.00, 0.07, 0.41, 0.42
HSL	50°, 26%, 46%
HSV	50°, 41%, 58%
XYZ	23.0252, 25.1610, 12.6626
YIQ	135.1760, 22.3310, -13.7410

Conversions

Conversions Part 2

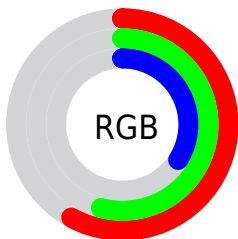
Format	Color
RYB	99, 148, 87
Decimal	9734743
CIELab	57.23, -3.96, 28.64
CIELCh	57, 28.912, 97.879
Yxy	25.1610, 0.3784, 0.4135
Android (android.graphics.Color)	4287924823 (0xFF948A57)
YUV	135.1760, -23.7508, 11.2466
Hunter-Lab	50.1607, -5.8447, 20.1453

Details

The Yxy color **25.1610, 0.3784, 0.4135** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.7232, 0.2419, 0.2270**, and the grayscale version is **24.3830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7931, 0.3648, 0.3949**, and **9.6194, 0.4004, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **24.2541, 0.3948, 0.4325**, and if you desaturate by 10%, it is **26.1355, 0.3617, 0.3931**.

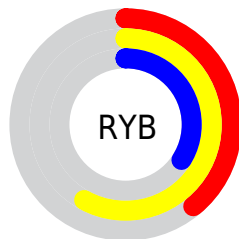
Distribution



Red (58%)

Green (54%)

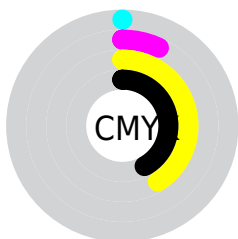
Blue (34%)



Red (39%)

Yellow (58%)

Blue (34%)

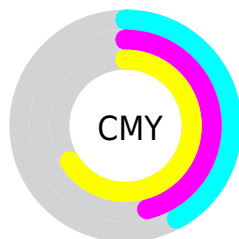


Cyan (0%)

Magenta (7%)

Yellow (41%)

Black (42%)



Cyan (42%)


Magenta (46%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1610, 0.3784, 0.4135 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 25.1610, 0.3784, 0.4135 by changing the saturation by 10% instead.


 25.1610, 0.3784,
0.4135


 25.1610, 0.3784,
0.4135


278.6388, 0.3431,
0.3672


 16.1970, 0.3877,
0.4263


 51.9183, 0.3651,
0.3957


 9.6637, 0.3997,
0.4431


 70.4804, 0.3602,
0.3893


 5.1766, 0.4154,
0.4661

 93.0107, 0.3562,
0.3840

 2.3512, 0.4585,
0.5248

 119.8936, 0.3528,
0.3796

 0.8006, 0.4534,
0.5466

 151.5135, 0.3498,
0.3758

 0.0000, 0.0000,
0.0000

188.2547, 0.3473,

0.3725

230.5017, 0.3451,
0.3697

■ 25.1610, 0.3784,
0.4135

■ 25.1610, 0.3784,
0.4135

■ 24.2541, 0.3948,
0.4325

■ 26.1355, 0.3617,
0.3931

■ 23.4081, 0.4102,
0.4493

■ 27.1770, 0.3452,
0.3722

■ 22.6207, 0.4241,
0.4629

■ 28.2894, 0.3294,
0.3515

■ 21.8880, 0.4357,
0.4726

■ 29.4751, 0.3145,
0.3314

■ 21.2053, 0.4447,
0.4779

■ 30.7366, 0.3006,
0.3123

■ 20.6364, 0.4510,
0.4801

■ 32.0760, 0.2878,
0.2944

■ 33.4955, 0.2762,
0.2778

■ 34.9972, 0.2657,
0.2625

■ 36.5830, 0.2562,
0.2484

Harmonies

Analogous

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



25.1610, 0.4071, 0.3869



25.1610, 0.3784, 0.4135



25.1610, 0.3332, 0.4171

Triad

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



25.1610, 0.3784, 0.4135



25.1610, 0.2249, 0.2963



25.1610, 0.3363, 0.2771

Complementary

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



25.1610, 0.3784, 0.4135



12.7232, 0.2419, 0.2270

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.



25.1610, 0.2863, 0.2556



25.1610, 0.3784, 0.4135



25.1610, 0.2254, 0.2635

Square

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



25.1610, 0.3784, 0.4135



25.1610, 0.2456, 0.3437



25.1610, 0.2469, 0.2502



25.1610, 0.3827, 0.3103

Rectangle

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



25.1610, 0.3784, 0.4135



25.1610, 0.3004, 0.4026



25.1610, 0.2469, 0.2502



25.1610, 0.3192, 0.2684

Sweetspot

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



25.1622, 0.3784, 0.4135



49.6908, 0.3310, 0.3536



13.9834, 0.3963, 0.3115



11.2907, 0.3328, 0.3559



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.



25.1622, 0.3784, 0.4135



42.9721, 0.3928, 0.4303



26.4407, 0.3492, 0.4362



6.5840, 0.3263, 0.3474



17.6540, 0.4508, 0.4803



0.2508, 0.4336, 0.4939

Inverse Universe

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



12.7232, 0.2419, 0.2270



18.1409, 0.2249, 0.2008



12.1053, 0.2628, 0.2141



5.7779, 0.2989, 0.3100



2.4247, 0.1548, 0.0771



0.0588, 0.1710, 0.1356

Previews

White Background



This preview shows how the Yxy color 25.1610, 0.3784, 0.4135 looks on a white background.

Color Contrast Check

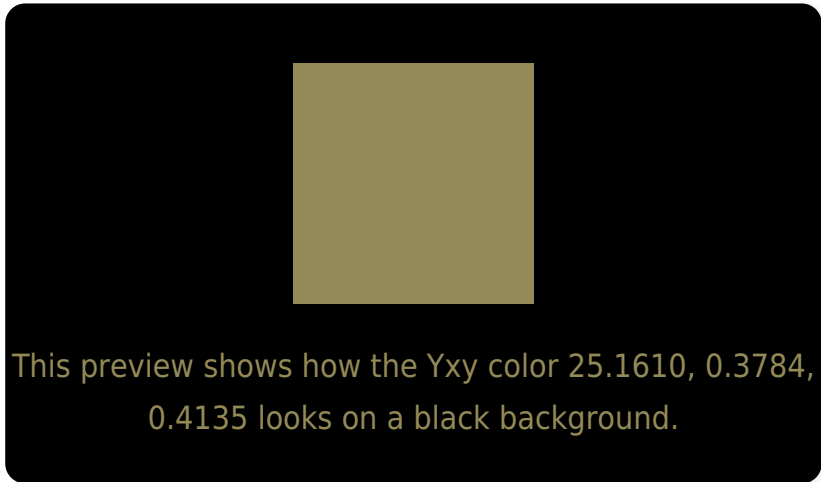
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 25.1610, 0.3784, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 25.1610, 0.3784, 0.4135.



This preview shows how white text looks on a background with the Yxy color 25.1610, 0.3784, 0.4135.

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

25.1610, 0.3784, 0.4135

Protanopia

25.0635, 0.3814, 0.4113

Deuteranopia

24.9365, 0.4028, 0.3956



Tritanopia

25.0556, 0.3273, 0.3116

Trichromacy



Original Color

25.1610, 0.3784, 0.4135

Protanomaly

24.9690, 0.3802, 0.4117

Deuteranomaly

25.1257, 0.3934, 0.4020

Tritanomaly

25.1307, 0.3467, 0.3487

Monochromacy



Original Color

25.1610, 0.3784, 0.4135

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.4918, 0.3364, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1610, 0.3784, 0.4135 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, 138, 87)` looks like.

```
.text, #text, p{  
    color:rgb(148, 138, 87)  
}
```

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, 138, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 138, 87) }
```

Border

The CSS property to change the border of an element to Yxy 25.1610, 0.3784, 0.4135 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, 138, 87) }
```

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

```
.border{ border-color:rgb(148, 138, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 138, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 138, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 138, 87);  
box-shadow:4px 4px 4px 4px rgb(148, 138,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1610, 0.3784, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 138, 87) }
```

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

```
.background{ background-color: rgb(148,  
138, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor