

Converting Colors

$Y_{xy}(24.8030, 0.3939, 0.4028)$

Have a look what the booklet for
Yxy(24.8030, 0.3939, 0.4028)
contains.

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Color

Yxy(24.7323, 0.3939, 0.4024)

Conversions

Conversions Part 1

Format	Color
Hex	9E8557
RGB	158, 133, 87
RGB Percent	62%, 52%, 34%
CMY	0.3804, 0.4784, 0.6587
CMYK	0.00, 0.16, 0.45, 0.38
HSL	39°, 29%, 48%
HSV	39°, 45%, 62%
XYZ	24.2099, 24.7323, 12.5198
YIQ	135.2310, 29.6660, -9.0060

Conversions

Conversions Part 2

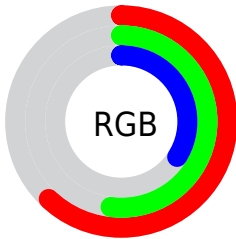
Format	Color
RYB	126, 158, 87
Decimal	10388823
CIELab	56.81, 3.10, 28.29
CIElCh	57, 28.455, 83.754
Yxy	24.7323, 0.3939, 0.4024
Android (android.graphics.Color)	4288578903 (0xFF9E8557)
YUV	135.2310, -23.7779, 19.9684
Hunter-Lab	49.7316, -0.1345, 19.8860

Details

The Yxy color **24.7323, 0.3939, 0.4024** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.0910, 0.2387, 0.2416**, and the grayscale version is **24.4020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2201, 0.3774, 0.3882**, and **9.4971, 0.4221, 0.4274** is the 20% darker color. If you saturate the color by 10%, you get **23.0188, 0.4151, 0.4174**, and if you desaturate by 10%, it is **26.5855, 0.3734, 0.3861**.

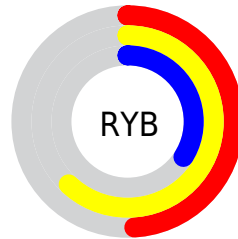
Distribution



Red (62%)

Green (52%)

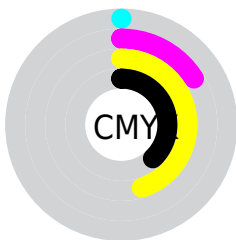
Blue (34%)



Red (49%)

Yellow (62%)

Blue (34%)

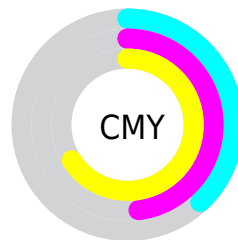


Cyan (0%)

Magenta (16%)

Yellow (45%)

Black (38%)



Cyan (38%)

Magenta (48%)


Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7323, 0.3939, 0.4024 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 24.7323, 0.3939, 0.4024 by changing the saturation by 10% instead.


 24.7323, 0.3939,
0.4024


 24.7323, 0.3939,
0.4024


276.5021, 0.3496,
0.3630


 15.8777, 0.4060,
0.4128


 51.2226, 0.3770,
0.3876


 9.4377, 0.4218,
0.4262


 69.6271, 0.3709,
0.3821

 5.0277, 0.4431,
0.4435

 91.9837, 0.3658,
0.3776

 2.2635, 0.4982,
0.4912

 118.6768, 0.3615,
0.3738

 0.7543, 0.5124,
0.4876

 150.0908, 0.3579,
0.3705

 0.0000, 0.0000,
0.0000

186.6101, 0.3547,

0.3677

228.6191, 0.3520,
0.3652

■ 24.7323, 0.3939,
0.4024

■ 24.7323, 0.3939,
0.4024

■ 23.0188, 0.4151,
0.4174

■ 26.5855, 0.3734,
0.3861

■ 21.4364, 0.4363,
0.4301

■ 28.5794, 0.3541,
0.3693

■ 19.9810, 0.4565,
0.4394

■ 30.7195, 0.3363,
0.3527

■ 18.6464, 0.4746,
0.4443

■ 33.0099, 0.3201,
0.3366

■ 17.4252, 0.4899,
0.4443

■ 35.4545, 0.3055,
0.3214

■ 16.8403, 0.4973,
0.4434

■ 38.0568, 0.2925,
0.3072

■ 40.8206, 0.2809,
0.2940

■ 43.7491, 0.2706,
0.2819

■ 46.8457, 0.2614,
0.2707

Harmonies

Analogous

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



24.7323, 0.4108, 0.3696



24.7323, 0.3939, 0.4024



24.7323, 0.3554, 0.4180

Triad

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



24.7323, 0.3939, 0.4024



24.7323, 0.2328, 0.3177



24.7323, 0.3122, 0.2658

Complementary

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



24.7323, 0.3939, 0.4024



16.0910, 0.2387, 0.2416

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.



24.7323, 0.2663, 0.2516



24.7323, 0.3939, 0.4024



24.7323, 0.2233, 0.2772

Square

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



24.7323, 0.3939, 0.4024



24.7323, 0.2626, 0.3668



24.7323, 0.2350, 0.2547



24.7323, 0.3619, 0.2939

Rectangle

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



24.7323, 0.3939, 0.4024



24.7323, 0.3235, 0.4133



24.7323, 0.2350, 0.2547



24.7323, 0.2958, 0.2593

Sweetspot

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



24.7335, 0.3939, 0.4024



56.4576, 0.3335, 0.3499



15.2835, 0.3846, 0.2868



12.5366, 0.3370, 0.3534



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.7335, 0.3939, 0.4024



41.7597, 0.4154, 0.4176



31.4903, 0.3674, 0.4406



7.3267, 0.3269, 0.3435



13.5624, 0.4964, 0.4440



0.3192, 0.4592, 0.4736

Inverse Universe

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



16.0910, 0.2387, 0.2416



24.0509, 0.2214, 0.2174



11.8027, 0.2405, 0.1963



6.7985, 0.2988, 0.3141



4.2844, 0.1657, 0.1164



0.1524, 0.1873, 0.1943

Previews

White Background



This preview shows how the Yxy color 24.7323, 0.3939, 0.4024 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 24.7323, 0.3939, 0.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

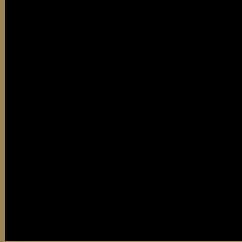
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7323, 0.3939, 0.4024

Background



This preview shows how black text looks on a background with the Yxy color 24.7323, 0.3939, 0.4024.



This preview shows how white text looks on a background with the Yxy color 24.7323, 0.3939, 0.4024.

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

24.7323, 0.3939, 0.4024

Protanopia

24.6088, 0.3786, 0.4090

Deuteranopia

24.5624, 0.4023, 0.3945



Tritanopia

24.7714, 0.3444, 0.3136

Trichromacy



Original Color

24.7323, 0.3939, 0.4024

Protanomaly

24.7079, 0.3841, 0.4060

Deuteranomaly

24.6186, 0.3992, 0.3966

Tritanomaly

24.6095, 0.3628, 0.3450

Monochromacy



Original Color

24.7323, 0.3939, 0.4024

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.1978, 0.3405, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7323, 0.3939, 0.4024 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(158, 133, 87)` looks like.

```
.text, #text, p{  
    color:rgb(158, 133, 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(158, 133, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 133, 87) }
```

Border

The CSS property to change the border of an element to Yxy 24.7323, 0.3939, 0.4024 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(158, 133, 87) }
```

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

```
.border{ border-color:rgb(158, 133, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 133, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 133, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 133, 87);  
box-shadow:4px 4px 4px 4px rgb(158, 133,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7323, 0.3939, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 133, 87) }
```

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

```
.background{ background-color: rgb(158,  
133, 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](#).

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