

Converting Colors

$Y_{xy}(21.5583, 0.3871, 0.4239)$

Have a look what the booklet for
Yxy(21.5583, 0.3871, 0.4239)
contains.

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Color

Yxy(21.4217, 0.3874, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	8B804A
RGB	139, 128, 74
RGB Percent	55%, 50%, 29%
CMY	0.4548, 0.4980, 0.7098
CMYK	0.00, 0.08, 0.47, 0.45
HSL	50°, 31%, 42%
HSV	50°, 47%, 55%
XYZ	19.6049, 21.4217, 9.5798
YIQ	125.1330, 23.8900, -14.4620

Conversions

Conversions Part 2

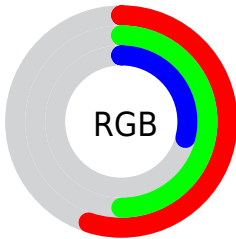
Format	Color
RYB	87, 139, 74
Decimal	9142346
CIELab	53.41, -3.75, 30.72
CIELCh	53, 30.943, 96.958
Yxy	21.4217, 0.3874, 0.4233
Android (android.graphics.Color)	4287332426 (0xFF8B804A)
YUV	125.1330, -25.2086, 12.1614
Hunter-Lab	46.2836, -5.3867, 20.1266

Details

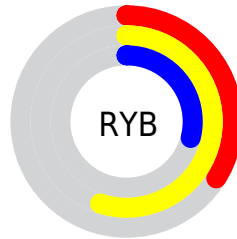
The Yxy color **21.4217, 0.3874, 0.4233** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.8208, 0.2318, 0.2120**, and the grayscale version is **20.6370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9723, 0.3717, 0.4029**, and **7.7020, 0.4114, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **20.6479, 0.4034, 0.4411**, and if you desaturate by 10%, it is **22.2531, 0.3708, 0.4037**.

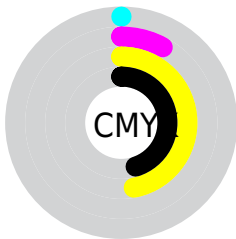
Distribution



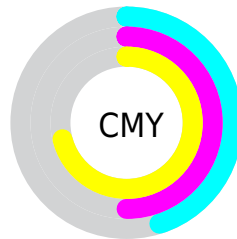
- Red (55%)
- Green (50%)
- Blue (29%)



- Red (34%)
- Yellow (55%)
- Blue (29%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (45%)





- Cyan (45%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4217, 0.3874, 0.4233 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 21.4217, 0.3874, 0.4233 by changing the saturation by 10% instead.


 21.4217, 0.3874,
0.4233


 21.4217, 0.3874,
0.4233


259.5112, 0.3465,
0.3706


 13.4326, 0.3983,
0.4380


 45.7883, 0.3719,
0.4029

 7.7271, 0.4123,
0.4575

 62.9346, 0.3662,
0.3956


 3.9208, 0.4313,
0.4852

 83.9021, 0.3615,
0.3896

 1.6294, 0.4648,
0.5352

 109.0752, 0.3576,
0.3846

 0.3773, 0.4145,
0.5855

 138.8382, 0.3542,
0.3803

 0.0000, 0.0000,
0.0000

173.5756, 0.3513,

0.3766

213.6718, 0.3488,
0.3734

■ 21.4217, 0.3874,
0.4233

■ 21.4217, 0.3874,
0.4233

■ 20.6479, 0.4034,
0.4411

■ 22.2531, 0.3708,
0.4037

■ 19.9260, 0.4182,
0.4562

■ 23.1419, 0.3542,
0.3832

■ 19.2538, 0.4310,
0.4677

■ 24.0913, 0.3380,
0.3625

■ 18.6275, 0.4415,
0.4751

■ 25.1037, 0.3226,
0.3423

■ 18.0409, 0.4494,
0.4785

■ 26.1811, 0.3082,
0.3228

■ 17.8559, 0.4519,
0.4794

■ 27.3255, 0.2949,
0.3045

■ 28.5389, 0.2827,
0.2873

■ 29.8230, 0.2716,
0.2715

■ 31.1795, 0.2616,
0.2569

Harmonies

Analogous

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



21.4217, 0.4194, 0.3918



21.4217, 0.3874, 0.4233



21.4217, 0.3368, 0.4296

Triad

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



21.4217, 0.3874, 0.4233



21.4217, 0.2150, 0.2930



21.4217, 0.3372, 0.2701

Complementary

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



21.4217, 0.3874, 0.4233



9.8208, 0.2318, 0.2120

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.



21.4217, 0.2811, 0.2468



21.4217, 0.3874, 0.4233



21.4217, 0.2150, 0.2561

Square

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



21.4217, 0.3874, 0.4233



21.4217, 0.2384, 0.3471



21.4217, 0.2379, 0.2411



21.4217, 0.3904, 0.3064

Rectangle

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



21.4217, 0.3874, 0.4233



21.4217, 0.2999, 0.4142



21.4217, 0.2379, 0.2411



21.4217, 0.3179, 0.2606

Sweetspot

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



21.4227, 0.3874, 0.4233



43.5671, 0.3341, 0.3575



11.0587, 0.4107, 0.3074



9.9601, 0.3371, 0.3614



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.4227, 0.3874, 0.4233



36.9063, 0.4041, 0.4418



22.8467, 0.3544, 0.4499



5.7031, 0.3262, 0.3470



16.1326, 0.4518, 0.4795



0.1249, 0.4341, 0.4935

Inverse Universe

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



9.8208, 0.2318, 0.2120



13.5503, 0.2119, 0.1808



9.1731, 0.2533, 0.1971



5.0205, 0.2991, 0.3103



2.2746, 0.1551, 0.0784



0.0299, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 21.4217, 0.3874, 0.4233 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 21.4217, 0.3874, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

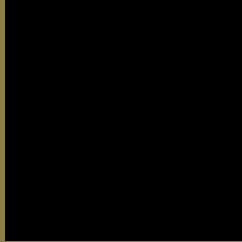
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4217, 0.3874, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 21.4217, 0.3874, 0.4233.



This preview shows how white text looks on a background with the Yxy color 21.4217, 0.3874, 0.4233.

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

21.4217, 0.3874, 0.4233

Protanopia

21.5082, 0.3887, 0.4228

Deuteranopia

21.3956, 0.4120, 0.4054



Tritanopia

21.3332, 0.3308, 0.3121

Trichromacy



Original Color

21.4217, 0.3874, 0.4233

Protanomaly

21.5082, 0.3887, 0.4228

Deuteranomaly

21.3129, 0.4025, 0.4110

Tritanomaly

21.3807, 0.3530, 0.3535

Monochromacy



Original Color

21.4217, 0.3874, 0.4233

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7081, 0.3405, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4217, 0.3874, 0.4233 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(139, 128, 74)` looks like.

```
.text, #text, p{  
    color:rgb(139, 128, 74)  
}
```

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(139, 128, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 128, 74) }
```

Border

The CSS property to change the border of an element to Yxy 21.4217, 0.3874, 0.4233 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(139, 128, 74) }
```

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

```
.border{ border-color:rgb(139, 128, 74) }
```

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

Here you see how a box with a 4 pixel rgb(139, 128, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 128, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 128, 74);  
box-shadow:4px 4px 4px 4px rgb(139, 128,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4217, 0.3874, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 128, 74) }
```

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

```
.background{ background-color: rgb(139,  
128, 74) }
```

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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