

Converting Colors

$Y_{xy}(21.3881, 0.3829, 0.4201)$

Have a look what the booklet for
Yxy(21.3881, 0.3829, 0.4201)
contains.

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Color

Yxy(21.3774, 0.3829, 0.4189)

Conversions

Conversions Part 1

Format	Color
Hex	8A804D
RGB	138, 128, 77
RGB Percent	54%, 50%, 30%
CMY	0.4588, 0.4980, 0.6981
CMYK	0.00, 0.07, 0.44, 0.46
HSL	50°, 28%, 42%
HSV	50°, 44%, 54%
XYZ	19.5402, 21.3774, 10.1146
YIQ	125.1760, 22.3310, -13.7410

Conversions

Conversions Part 2

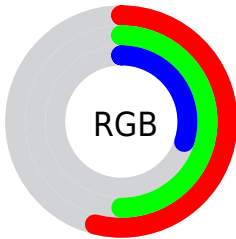
Format	Color
RYB	89, 138, 77
Decimal	9076813
CIELab	53.36, -3.87, 29.01
CIElCh	53, 29.264, 97.594
Yxy	21.3774, 0.3829, 0.4189
Android (android.graphics.Color)	4287266893 (0xFF8A804D)
YUV	125.1760, -23.7508, 11.2466
Hunter-Lab	46.2357, -5.4744, 19.3946

Details

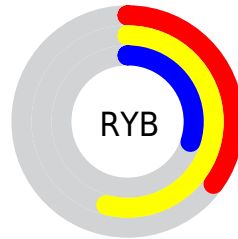
The Yxy color **21.3774, 0.3829, 0.4189** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.2270, 0.2366, 0.2189**, and the grayscale version is **20.6468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9175, 0.3683, 0.3994**, and **7.6693, 0.4056, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **20.6200, 0.3990, 0.4373**, and if you desaturate by 10%, it is **22.1913, 0.3663, 0.3989**.

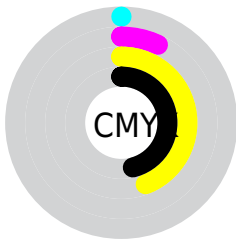
Distribution



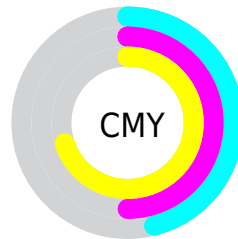
- Red (54%)
- Green (50%)
- Blue (30%)



- Red (35%)
- Yellow (54%)
- Blue (30%)



- Cyan (0%)
- Magenta (7%)
- Yellow (44%)
- Black (46%)



- Cyan (46%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3774, 0.3829, 0.4189 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 21.3774, 0.3829, 0.4189 by changing the saturation by 10% instead.


 21.3774, 0.3829,
0.4189


 21.3774, 0.3829,
0.4189


259.2774, 0.3444,
0.3685


 13.4001, 0.3933,
0.4332


 45.7148, 0.3682,
0.3993

 7.7047, 0.4068,
0.4522


 62.8437, 0.3629,
0.3923


 3.9066, 0.4247,
0.4788

 83.7920, 0.3584,
0.3866

 1.6214, 0.4641,
0.5359

 108.9440, 0.3547,
0.3818

 0.3720, 0.4106,
0.5894

 138.6842, 0.3516,
0.3777

 0.0000, 0.0000,
0.0000

173.3969, 0.3488,

0.3742

213.4665, 0.3465,
0.3712

■ 21.3774, 0.3829,
0.4189

■ 21.3774, 0.3829,
0.4189

■ 20.6200, 0.3990,
0.4373

■ 22.1913, 0.3663,
0.3989

■ 19.9135, 0.4140,
0.4533

■ 23.0611, 0.3499,
0.3782

■ 19.2557, 0.4272,
0.4658

■ 23.9904, 0.3339,
0.3575

■ 18.6433, 0.4381,
0.4744

■ 24.9811, 0.3188,
0.3373

■ 18.0718, 0.4464,
0.4787

■ 26.0352, 0.3047,
0.3180

■ 17.7525, 0.4507,
0.4803

■ 27.1549, 0.2917,
0.2998

■ 28.3417, 0.2797,
0.2828

■ 29.5976, 0.2689,
0.2672

■ 30.9241, 0.2592,
0.2529

Harmonies

Analogous

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



21.3774, 0.4136, 0.3898



21.3774, 0.3829, 0.4189



21.3774, 0.3347, 0.4236

Triad

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



21.3774, 0.3829, 0.4189



21.3774, 0.2195, 0.2942



21.3774, 0.3372, 0.2736

Complementary

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



21.3774, 0.3829, 0.4189



10.2270, 0.2366, 0.2189

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.



21.3774, 0.2839, 0.2510



21.3774, 0.3829, 0.4189



21.3774, 0.2199, 0.2594

Square

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



21.3774, 0.3829, 0.4189



21.3774, 0.2415, 0.3451



21.3774, 0.2423, 0.2453



21.3774, 0.3871, 0.3085

Rectangle

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



21.3774, 0.3829, 0.4189



21.3774, 0.2997, 0.4085



21.3774, 0.2423, 0.2453



21.3774, 0.3189, 0.2644

Sweetspot

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



21.3784, 0.3829, 0.4189



42.4424, 0.3325, 0.3556



11.4002, 0.4046, 0.3104



9.4455, 0.3355, 0.3596



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.



21.3784, 0.3829, 0.4189



36.3537, 0.3989, 0.4372



22.5425, 0.3513, 0.4435



5.7078, 0.3262, 0.3472



16.2928, 0.4506, 0.4805



0.1255, 0.4335, 0.4940

Inverse Universe

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



10.2270, 0.2366, 0.2189



14.1149, 0.2176, 0.1892



9.7002, 0.2587, 0.2056



5.0162, 0.2991, 0.3102



2.2463, 0.1549, 0.0775



0.0293, 0.1710, 0.1355

Previews

White Background



This preview shows how the Yxy color 21.3774, 0.3829, 0.4189 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 21.3774, 0.3829, 0.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

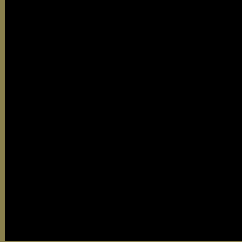
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3774, 0.3829, 0.4189

Background



This preview shows how black text looks on a background with the Yxy color 21.3774, 0.3829, 0.4189.



This preview shows how white text looks on a background with the Yxy color 21.3774, 0.3829, 0.4189.

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

21.3774, 0.3829, 0.4189

Protanopia

21.4631, 0.3842, 0.4184

Deuteranopia

21.3392, 0.4073, 0.4012



Tritanopia

21.4871, 0.3294, 0.3138

Trichromacy



Original Color

21.3774, 0.3829, 0.4189

Protanomaly

21.4631, 0.3842, 0.4184

Deuteranomaly

21.2613, 0.3978, 0.4067

Tritanomaly

21.3138, 0.3505, 0.3518

Monochromacy



Original Color

21.3774, 0.3829, 0.4189

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7502, 0.3381, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3774, 0.3829, 0.4189 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(138, 128, 77)` looks like.

```
.text, #text, p{  
    color:rgb(138, 128, 77)  
}
```

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(138, 128, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 128, 77) }
```

Border

The CSS property to change the border of an element to Yxy 21.3774, 0.3829, 0.4189 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(138, 128, 77) }
```

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

```
.border{ border-color:rgb(138, 128, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 128, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 128, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 128, 77);  
box-shadow:4px 4px 4px 4px rgb(138, 128,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3774, 0.3829, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 128, 77) }
```

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

```
.background{ background-color: rgb(138,  
128, 77) }
```

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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