

Converting Colors

$Y_{xy}(21.8170, 0.3585, 0.4432)$

Have a look what the booklet for
Yxy(21.8170, 0.3585, 0.4432)
contains.

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Color

Yxy(21.8154, 0.3585, 0.4432)

Conversions

Conversions Part 1

Format	Color
Hex	78874A
RGB	120, 135, 74
RGB Percent	47%, 53%, 29%
CMY	0.5294, 0.4706, 0.7098
CMYK	0.11, 0.00, 0.45, 0.47
HSL	75°, 29%, 41%
HSV	75°, 45%, 53%
XYZ	17.6463, 21.8154, 9.7608
YIQ	123.5610, 10.6410, -22.1510

Conversions

Conversions Part 2

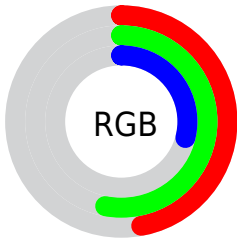
Format	Color
RYB	74, 135, 89
Decimal	7898954
CIELab	53.83, -15.76, 30.89
CIElCh	54, 34.674, 117.026
Yxy	21.8154, 0.3585, 0.4432
Android (android.graphics.Color)	4286089034 (0xFF78874A)
YUV	123.5610, -24.4336, -3.1230
Hunter-Lab	46.7070, -14.2985, 20.3045

Details

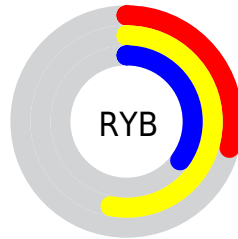
The Yxy color **21.8154, 0.3585, 0.4432** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.7726, 0.2501, 0.2005**, and the grayscale version is **20.0833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3059, 0.3497, 0.4167**, and **7.8782, 0.3711, 0.4895** is the 20% darker color. If you saturate the color by 10%, you get **21.4202, 0.3665, 0.4677**, and if you desaturate by 10%, it is **22.2598, 0.3492, 0.4175**.

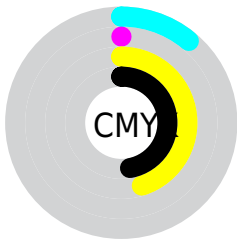
Distribution



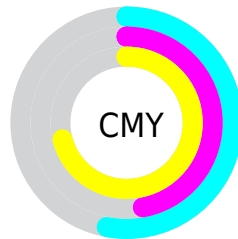
- Red (47%)
- Green (53%)
- Blue (29%)



- Red (29%)
- Yellow (53%)
- Blue (35%)



- Cyan (11%)
- Magenta (0%)
- Yellow (45%)
- Black (47%)





- Cyan (53%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8154, 0.3585, 0.4432 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 21.8154, 0.3585, 0.4432 by changing the saturation by 10% instead.


 21.8154, 0.3585,
0.4432


 21.8154, 0.3585,
0.4432


261.5807, 0.3348,
0.3775

 13.7213, 0.3640,
0.4627


 46.4407, 0.3499,
0.4171

 7.9271, 0.3703,
0.4896


 63.7407, 0.3467,
0.4079


 4.0483, 0.3771,
0.5296

 84.8782, 0.3439,
0.4005

 1.7006, 0.3910,
0.6090

 110.2374, 0.3415,
0.3943

 0.4241, 0.0417,
0.9583

 140.2029, 0.3395,
0.3891

 0.0000, 0.0000,
0.0000

175.1591, 0.3377,

0.3847

215.4902, 0.3361,
0.3809

■ 21.8154, 0.3585,
0.4432

■ 21.8154, 0.3585,
0.4432

■ 21.4202, 0.3665,
0.4677

■ 22.2598, 0.3492,
0.4175

■ 21.0687, 0.3728,
0.4898

■ 22.7530, 0.3391,
0.3914

■ 20.7590, 0.3769,
0.5086

■ 23.2980, 0.3286,
0.3658

■ 20.4877, 0.3786,
0.5234

■ 23.8970, 0.3181,
0.3412

■ 20.2503, 0.3781,
0.5339

■ 24.5518, 0.3078,
0.3180

■ 20.1418, 0.3775,
0.5385

■ 25.2642, 0.2979,
0.2965

■ 26.0361, 0.2886,
0.2768

■ 26.8691, 0.2799,
0.2587

■ 27.7648, 0.2718,
0.2424

Harmonies

Analogous

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



21.8154, 0.4098, 0.4235



21.8154, 0.3585, 0.4432



21.8154, 0.2977, 0.4249

Triad

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



21.8154, 0.3585, 0.4432



21.8154, 0.2024, 0.2586



21.8154, 0.3813, 0.2893

Complementary

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



21.8154, 0.3585, 0.4432



8.7726, 0.2501, 0.2005

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.



21.8154, 0.3182, 0.2539



21.8154, 0.3585, 0.4432



21.8154, 0.2192, 0.2349

Square

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



21.8154, 0.3585, 0.4432



21.8154, 0.2106, 0.3066



21.8154, 0.2595, 0.2343



21.8154, 0.4263, 0.3346

Rectangle

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



21.8154, 0.3585, 0.4432



21.8154, 0.2602, 0.3912



21.8154, 0.2595, 0.2343



21.8154, 0.3611, 0.2761

Sweetspot

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



21.8164, 0.3585, 0.4432



41.8098, 0.3277, 0.3636



12.6648, 0.4146, 0.3562



9.6376, 0.3297, 0.3684



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.



21.8164, 0.3585, 0.4432



38.3561, 0.3665, 0.4677



20.0106, 0.3233, 0.4574



5.3669, 0.3222, 0.3507



18.5790, 0.3777, 0.5383



0.0678, 0.3985, 0.5218

Inverse Universe

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



8.7726, 0.2501, 0.2005



11.9693, 0.2327, 0.1687



10.5517, 0.2929, 0.2147



4.5958, 0.3027, 0.3068



1.9198, 0.1664, 0.0690



0.0096, 0.2070, 0.0914

Previews

White Background



This preview shows how the Yxy color 21.8154, 0.3585, 0.4432 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 21.8154, 0.3585, 0.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

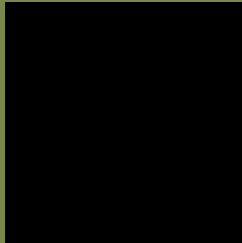
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8154, 0.3585, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 21.8154, 0.3585, 0.4432.



This preview shows how white text looks on a background with the Yxy color 21.8154, 0.3585, 0.4432.

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

21.8154, 0.3585, 0.4432

Protanopia

21.8311, 0.3913, 0.4270

Deuteranopia

21.7697, 0.4102, 0.4034



Tritanopia

21.8625, 0.3020, 0.3114

Trichromacy



Original Color

21.8154, 0.3585, 0.4432

Protanomaly

21.7002, 0.3785, 0.4324

Deuteranomaly

21.5402, 0.3912, 0.4167

Tritanomaly

21.8304, 0.3230, 0.3585

Monochromacy



Original Color

21.8154, 0.3585, 0.4432

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6899, 0.3311, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8154, 0.3585, 0.4432 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(120, 135, 74)` looks like.

```
.text, #text, p{  
    color:rgb(120, 135, 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(120, 135, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 135, 74) }
```

Border

The CSS property to change the border of an element to Yxy 21.8154, 0.3585, 0.4432 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(120, 135, 74) }
```

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

```
.border{ border-color:rgb(120, 135, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 135, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 135, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 135, 74);  
box-shadow:4px 4px 4px 4px rgb(120, 135,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8154, 0.3585, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 135, 74) }
```

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

```
.background{ background-color: rgb(120,  
135, 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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