

Converting Colors

$Y_{xy}(21.9640, 0.3827, 0.4169)$

Have a look what the booklet for
Yxy(21.9640, 0.3827, 0.4169)
contains.

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Color

Yxy(21.8405, 0.3826, 0.4162)

Conversions

Conversions Part 1

Format	Color
Hex	8C814F
RGB	140, 129, 79
RGB Percent	55%, 51%, 31%
CMY	0.4510, 0.4941, 0.6901
CMYK	0.00, 0.08, 0.44, 0.45
HSL	49°, 28%, 43%
HSV	49°, 44%, 55%
XYZ	20.0773, 21.8405, 10.5582
YIQ	126.5890, 22.6060, -13.2180

Conversions

Conversions Part 2

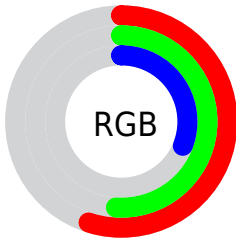
Format	Color
R_{YB}	92, 140, 79
Decimal	9208143
CIE Lab	53.86, -3.33, 28.56
CIE LCh	54, 28.753, 96.653
Yxy	21.8405, 0.3826, 0.4162
Android (android.graphics.Color)	4287398223 (0xFF8C814F)
YUV	126.5890, -23.4614, 11.7614
Hunter-Lab	46.7338, -5.0988, 19.3188

Details

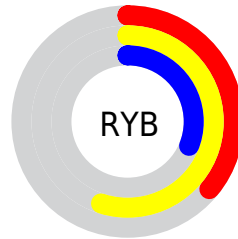
The Yxy color **21.8405, 0.3826, 0.4162** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.8718, 0.2381, 0.2228**, and the grayscale version is **21.1523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6430, 0.3681, 0.3975**, and **7.9218, 0.4054, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **21.0016, 0.3991, 0.4345**, and if you desaturate by 10%, it is **22.7408, 0.3657, 0.3964**.

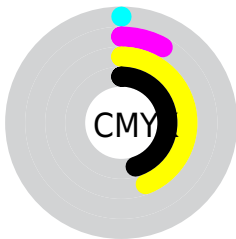
Distribution



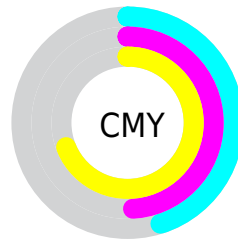
- Red (55%)
- Green (51%)
- Blue (31%)



- Red (36%)
- Yellow (55%)
- Blue (31%)



- Cyan (0%)
- Magenta (8%)
- Yellow (44%)
- Black (45%)



- Cyan (45%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8405, 0.3826, 0.4162 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 21.8405, 0.3826, 0.4162 by changing the saturation by 10% instead.


 21.8405, 0.3826,
0.4162


 21.8405, 0.3826,
0.4162


261.7122, 0.3443,
0.3675


 13.7397, 0.3930,
0.4299


 46.4822, 0.3680,
0.3973


 7.9399, 0.4065,
0.4482


 63.7920, 0.3627,
0.3906


 4.0565, 0.4242,
0.4733

 84.9402, 0.3583,
0.3850

 1.7052, 0.4677,
0.5323

 110.3113, 0.3546,
0.3804

 0.4270, 0.4318,
0.5682

 140.2897, 0.3514,
0.3764

 0.0000, 0.0000,
0.0000

175.2597, 0.3487,

0.3730

215.6057, 0.3463,
0.3701

■ 21.8405, 0.3826,
0.4162

■ 21.8405, 0.3826,
0.4162

■ 21.0016, 0.3991,
0.4345

■ 22.7408, 0.3657,
0.3964

■ 20.2182, 0.4147,
0.4504

■ 23.7021, 0.3490,
0.3760

■ 19.4883, 0.4286,
0.4630

■ 24.7277, 0.3330,
0.3556

■ 18.8082, 0.4402,
0.4716

■ 25.8200, 0.3179,
0.3358

■ 18.1736, 0.4492,
0.4759

■ 26.9811, 0.3038,
0.3169

■ 17.7805, 0.4543,
0.4775

■ 28.2129, 0.2908,
0.2992

■ 29.5174, 0.2790,
0.2827

■ 30.8964, 0.2683,
0.2674

■ 32.3517, 0.2587,
0.2534

Harmonies

Analogous

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



21.8405, 0.4117, 0.3875



21.8405, 0.3826, 0.4162



21.8405, 0.3360, 0.4215

Triad

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



21.8405, 0.3826, 0.4162



21.8405, 0.2219, 0.2965



21.8405, 0.3350, 0.2739

Complementary

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



21.8405, 0.3826, 0.4162



10.8718, 0.2381, 0.2228

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.



21.8405, 0.2831, 0.2522



21.8405, 0.3826, 0.4162



21.8405, 0.2216, 0.2618

Square

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



21.8405, 0.3826, 0.4162



21.8405, 0.2442, 0.3464



21.8405, 0.2429, 0.2473



21.8405, 0.3840, 0.3078

Rectangle

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



21.8405, 0.3826, 0.4162



21.8405, 0.3017, 0.4074



21.8405, 0.2429, 0.2473



21.8405, 0.3172, 0.2651

Sweetspot

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



21.8415, 0.3826, 0.4162



43.6492, 0.3326, 0.3551



11.9119, 0.4009, 0.3088



9.9724, 0.3357, 0.3591



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.



21.8415, 0.3826, 0.4162



37.0930, 0.3984, 0.4337



23.3635, 0.3520, 0.4415



5.6942, 0.3262, 0.3468



15.8247, 0.4541, 0.4776



0.1237, 0.4351, 0.4927

Inverse Universe

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



10.8718, 0.2381, 0.2228



15.2368, 0.2200, 0.1948



10.1034, 0.2583, 0.2070



5.0288, 0.2991, 0.3106



2.3321, 0.1556, 0.0801



0.0311, 0.1728, 0.1419

Previews

White Background



This preview shows how the Yxy color 21.8405, 0.3826, 0.4162 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 21.8405, 0.3826, 0.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

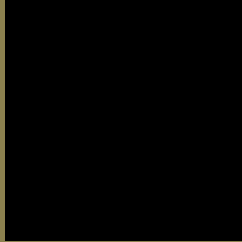
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8405, 0.3826, 0.4162

Background



This preview shows how black text looks on a background with the Yxy color 21.8405, 0.3826, 0.4162.



This preview shows how white text looks on a background with the Yxy color 21.8405, 0.3826, 0.4162.

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

21.8405, 0.3826, 0.4162

Protanopia

21.9277, 0.3839, 0.4158

Deuteranopia

21.8130, 0.4067, 0.3989



Tritanopia

21.9429, 0.3305, 0.3140

Trichromacy



Original Color

21.8405, 0.3826, 0.4162

Protanomaly

21.9277, 0.3839, 0.4158

Deuteranomaly

21.7304, 0.3974, 0.4043

Tritanomaly

21.7888, 0.3503, 0.3498

Monochromacy



Original Color

21.8405, 0.3826, 0.4162

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4697, 0.3378, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8405, 0.3826, 0.4162 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(140, 129, 79)` looks like.

```
.text, #text, p{  
    color:rgb(140, 129, 79)  
}
```

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(140, 129, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 129, 79) }
```

Border

The CSS property to change the border of an element to Yxy 21.8405, 0.3826, 0.4162 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(140, 129, 79) }
```

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

```
.border{ border-color:rgb(140, 129, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 129, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 129, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 129, 79);  
box-shadow:4px 4px 4px 4px rgb(140, 129,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8405, 0.3826, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 129, 79) }
```

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

```
.background{ background-color: rgb(140,  
129, 79) }
```

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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