

Converting Colors

$Y_{xy}(22.1048, 0.3251, 0.3798)$

Have a look what the booklet for
Yxy(22.1048, 0.3251, 0.3798)
contains.

Yxy(22.1048, 0.3251, 0.3798)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1048, 0.3251, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	78866B
RGB	120, 134, 107
RGB Percent	47%, 53%, 42%
CMY	0.5295, 0.4745, 0.5804
CMYK	0.10, 0.00, 0.20, 0.47
HSL	91°, 11%, 47%
HSV	91°, 20%, 53%
XYZ	18.9212, 22.1048, 17.1752
YIQ	126.7360, 0.3230, -11.3650

Conversions

Conversions Part 2

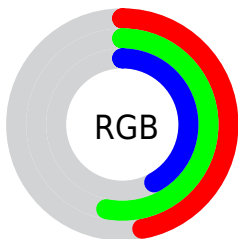
Format	Color
RYB	107, 134, 121
Decimal	7898731
CIELab	54.14, -10.37, 12.86
CIELCh	54, 16.524, 128.872
Yxy	22.1048, 0.3251, 0.3798
Android (android.graphics.Color)	4286088811 (0xFF78866B)
YUV	126.7360, -9.7298, -5.9075
Hunter-Lab	47.0157, -10.4413, 11.2520

Details

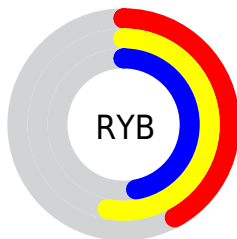
The Yxy color $22.1048, 0.3251, 0.3798$ is a dark color, and the websafe version is hex 999966 , and the color name is [camouflage green](#). A complement of this color would be $16.3008, 0.2981, 0.2785$, and the grayscale version is $21.1607, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.7799, 0.3226, 0.3685$, and $8.0065, 0.3282, 0.3990$ is the 20% darker color. If you saturate the color by 10%, you get $21.3656, 0.3309, 0.4077$, and if you desaturate by 10%, it is $22.9258, 0.3190, 0.3536$.

Distribution



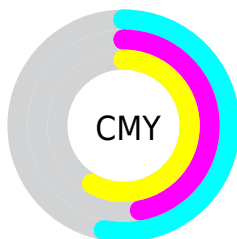
- Red (47%)
- Green (53%)
- Blue (42%)



- Red (42%)
- Yellow (53%)
- Blue (47%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (47%)





- Cyan (53%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1048, 0.3251, 0.3798 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 22.1048, 0.3251, 0.3798 by changing the saturation by 10% instead.


 22.1048, 0.3251,
0.3798


 22.1048, 0.3251,
0.3798


263.0931, 0.3185,
0.3506


 13.9339, 0.3269,
0.3887


 46.9191, 0.3226,
0.3681


 8.0747, 0.3292,
0.4014


 64.3314, 0.3217,
0.3641

 4.1428, 0.3322,
0.4207

 85.5929, 0.3209,
0.3608

 1.7538, 0.3367,
0.4547

 111.0881, 0.3203,
0.3581

 0.4581, 0.2846,
0.7154

141.2013, 0.3197,
0.3558

 0.0000, 0.0000,
0.0000

176.3169, 0.3193,

0.3538

216.8194, 0.3188,
0.3521

■ 22.1048, 0.3251,
0.3798

■ 22.1048, 0.3251,
0.3798

■ 21.3656, 0.3309,
0.4077

■ 22.9258, 0.3190,
0.3536

■ 20.7025, 0.3360,
0.4366

■ 23.8285, 0.3128,
0.3294

■ 20.1137, 0.3401,
0.4657

■ 24.8161, 0.3067,
0.3073

■ 19.5958, 0.3429,
0.4938

■ 25.8911, 0.3008,
0.2874

■ 19.1455, 0.3439,
0.5196

■ 27.0558, 0.2952,
0.2695

■ 18.7590, 0.3429,
0.5415

■ 28.3124, 0.2900,
0.2535

■ 18.4317, 0.3399,
0.5585

■ 29.6629, 0.2850,
0.2392

■ 18.1568, 0.3358,
0.5716

■ 31.1093, 0.2804,
0.2265

■ 32.6538, 0.2762,
0.2152

Harmonies

Analogous

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



22.1048, 0.3522, 0.3800



22.1048, 0.3251, 0.3798



22.1048, 0.2956, 0.3639

Triad

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



22.1048, 0.3251, 0.3798



22.1048, 0.2591, 0.2894



22.1048, 0.3551, 0.3190

Complementary

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



22.1048, 0.3251, 0.3798



16.3008, 0.2981, 0.2785

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.



22.1048, 0.3283, 0.2975



22.1048, 0.3251, 0.3798



22.1048, 0.2733, 0.2804

Square

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



22.1048, 0.3251, 0.3798



22.1048, 0.2584, 0.3098



22.1048, 0.2982, 0.2836



22.1048, 0.3702, 0.3438

Rectangle

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



22.1048, 0.3251, 0.3798



22.1048, 0.2785, 0.3469



22.1048, 0.2982, 0.2836



22.1048, 0.3471, 0.3113

Sweetspot

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



22.1058, 0.3251, 0.3798



41.0093, 0.3165, 0.3436



19.7929, 0.3461, 0.3546



9.2205, 0.3168, 0.3449



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.1058, 0.3251, 0.3798



38.3552, 0.3277, 0.3918



21.2491, 0.3098, 0.3812



5.3064, 0.3184, 0.3510



17.0188, 0.3360, 0.5714



0.0633, 0.3701, 0.5443

Inverse Universe

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



16.3008, 0.2981, 0.2785



26.2881, 0.2943, 0.2666



17.2908, 0.3155, 0.2818



4.6547, 0.3067, 0.3071



2.8261, 0.2090, 0.0925



0.0141, 0.2567, 0.1188

Previews

White Background



This preview shows how the Yxy color 22.1048, 0.3251, 0.3798 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 22.1048, 0.3251, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

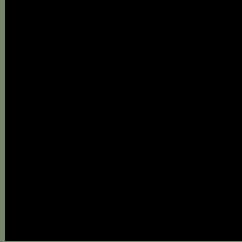
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1048, 0.3251, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 22.1048, 0.3251, 0.3798.



This preview shows how white text looks on a background with the Yxy color 22.1048, 0.3251, 0.3798.

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

22.1048, 0.3251, 0.3798

Protanopia

22.0388, 0.3495, 0.3718

Deuteranopia

21.9090, 0.3619, 0.3546



Tritanopia

22.2187, 0.2967, 0.3113

Trichromacy



Original Color

22.1048, 0.3251, 0.3798

Protanomaly

22.0985, 0.3402, 0.3744

Deuteranomaly

21.9243, 0.3476, 0.3645

Tritanomaly

22.0021, 0.3068, 0.3344

Monochromacy



Original Color

22.1048, 0.3251, 0.3798

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6064, 0.3165, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1048, 0.3251, 0.3798 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, 134, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 134, 107)  
}
```

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, 134, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 134, 107) }
```

Border

The CSS property to change the border of an element to Yxy 22.1048, 0.3251, 0.3798 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, 134, 107) }
```

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

```
.border{ border-color:rgb(120, 134, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 134, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 134, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 134, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 134,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1048, 0.3251, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 134, 107) }
```

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

```
.background{ background-color: rgb(120,  
134, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor