

Converting Colors

$Y_{xy}(21.1071, 0.3831, 0.3858)$

Have a look what the booklet for
Yxy(21.1071, 0.3831, 0.3858)
contains.

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Color

Yxy(21.1071, 0.3831, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	937B5A
RGB	147, 123, 90
RGB Percent	58%, 48%, 35%
CMY	0.4236, 0.5176, 0.6470
CMYK	0.00, 0.16, 0.39, 0.42
HSL	35°, 24%, 46%
HSV	35°, 39%, 58%
XYZ	20.9594, 21.1071, 12.6435
YIQ	126.4140, 24.8970, -5.1750

Conversions

Conversions Part 2

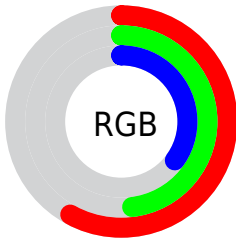
Format	Color
RYB	131, 147, 90
Decimal	9665370
CIELab	53.07, 4.38, 21.51
CIElCh	53, 21.947, 78.499
Yxy	21.1071, 0.3831, 0.3858
Android (android.graphics.Color)	4287855450 (0xFF937B5A)
YUV	126.4140, -17.9521, 18.0539
Hunter-Lab	45.9425, 1.0341, 15.8430

Details

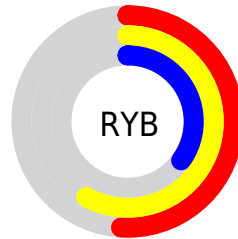
The Yxy color $21.1071, 0.3831, 0.3858$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.3113, 0.2510, 0.2642$, and the grayscale version is $21.0687, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.1100, 0.3680, 0.3737$, and $7.5123, 0.4106, 0.4046$ is the 20% darker color. If you saturate the color by 10%, you get $19.3954, 0.4055, 0.4002$, and if you desaturate by 10%, it is $22.9673, 0.3623, 0.3708$.

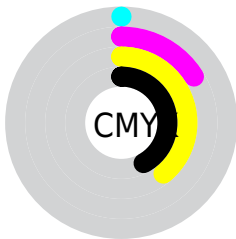
Distribution



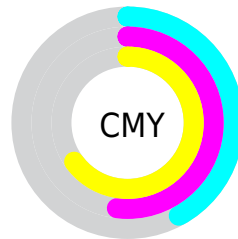
- Red (58%)
- Green (48%)
- Blue (35%)



- Red (51%)
- Yellow (58%)
- Blue (35%)



- Cyan (0%)
- Magenta (16%)
- Yellow (39%)
- Black (42%)





- Cyan (42%)
- Magenta (52%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1071, 0.3831, 0.3858 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 21.1071, 0.3831, 0.3858 by changing the saturation by 10% instead.


 21.1071, 0.3831,
0.3858


 21.1071, 0.3831,
0.3858


257.8471, 0.3434,
0.3545


 13.2023, 0.3946,
0.3945


 45.2657, 0.3675,
0.3737


 7.5680, 0.4105,
0.4061


 62.2883, 0.3620,
0.3694

 3.8198, 0.4331,
0.4220

 83.1190, 0.3575,
0.3658

 1.5733, 0.5019,
0.4764

 108.1421, 0.3537,
0.3628

 0.3395, 0.5585,
0.4415

 137.7421, 0.3506,
0.3603

 0.0000, 0.0000,
0.0000

172.3033, 0.3478,

0.3581

212.2102, 0.3455,
0.3562

■ 21.1071, 0.3831,
0.3858

■ 21.1071, 0.3831,
0.3858

■ 19.3954, 0.4055,
0.4002

■ 22.9673, 0.3623,
0.3708

■ 17.8245, 0.4288,
0.4130

■ 24.9774, 0.3433,
0.3558

■ 16.3903, 0.4524,
0.4233

■ 27.1426, 0.3262,
0.3412

■ 15.0872, 0.4750,
0.4298

■ 29.4668, 0.3109,
0.3273

■ 13.9092, 0.4953,
0.4316

■ 31.9540, 0.2974,
0.3144

■ 12.8447, 0.5132,
0.4292

■ 34.6076, 0.2855,
0.3023

■ 12.7196, 0.5155,
0.4289

■ 37.4313, 0.2749,
0.2912

■ 40.4285, 0.2656,
0.2811

■ 43.6024, 0.2574,
0.2717

Harmonies

Analogous

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



21.1071, 0.3925, 0.3579



21.1071, 0.3831, 0.3858



21.1071, 0.3545, 0.4004

Triad

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



21.1071, 0.3831, 0.3858



21.1071, 0.2502, 0.3272



21.1071, 0.3055, 0.2736

Complementary

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



21.1071, 0.3831, 0.3858



16.3113, 0.2510, 0.2642

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.



21.1071, 0.2692, 0.2643



21.1071, 0.3831, 0.3858



21.1071, 0.2390, 0.2922

Square

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



21.1071, 0.3831, 0.3858



21.1071, 0.2778, 0.3660



21.1071, 0.2457, 0.2702



21.1071, 0.3461, 0.2954

Rectangle

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



21.1071, 0.3831, 0.3858



21.1071, 0.3292, 0.3987



21.1071, 0.2457, 0.2702



21.1071, 0.2924, 0.2689

Sweetspot

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



21.1081, 0.3831, 0.3858



47.2363, 0.3319, 0.3462



14.7461, 0.3644, 0.2864



10.6805, 0.3339, 0.3479



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.1081, 0.3831, 0.3858



34.9770, 0.4036, 0.3991



27.4579, 0.3646, 0.4236



6.3397, 0.3269, 0.3418



11.0791, 0.5148, 0.4294



0.1941, 0.4642, 0.4696

Inverse Universe

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



16.3113, 0.2510, 0.2642



25.0801, 0.2358, 0.2454



11.7890, 0.2482, 0.2164



6.0101, 0.2989, 0.3159



4.8470, 0.1713, 0.1367



0.1155, 0.1941, 0.2189

Previews

White Background



This preview shows how the Yxy color 21.1071, 0.3831, 0.3858 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 21.1071, 0.3831, 0.3858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

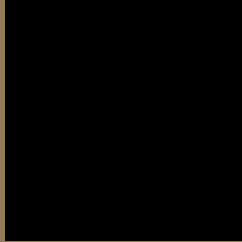
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1071, 0.3831, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 21.1071, 0.3831, 0.3858.



This preview shows how white text looks on a background with the Yxy color 21.1071, 0.3831, 0.3858.

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

21.1071, 0.3831, 0.3858

Protanopia

21.1857, 0.3641, 0.3921

Deuteranopia

20.9922, 0.3897, 0.3815



Tritanopia

21.0685, 0.3440, 0.3141

Trichromacy



Original Color

21.1071, 0.3831, 0.3858

Protanomaly

21.2525, 0.3710, 0.3910

Deuteranomaly

21.1413, 0.3877, 0.3833

Tritanomaly

21.1319, 0.3585, 0.3393

Monochromacy



Original Color

21.1071, 0.3831, 0.3858

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9278, 0.3376, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1071, 0.3831, 0.3858 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(147, 123, 90)` looks like.

```
.text, #text, p{  
    color:rgb(147, 123, 90)  
}
```

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(147, 123, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 123, 90) }
```

Border

The CSS property to change the border of an element to Yxy 21.1071, 0.3831, 0.3858 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(147, 123, 90) }
```

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

```
.border{ border-color:rgb(147, 123, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 123, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 123, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 123, 90);  
box-shadow:4px 4px 4px 4px rgb(147, 123,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1071, 0.3831, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 123, 90) }
```

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

```
.background{ background-color: rgb(147,  
123, 90) }
```

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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