

Converting Colors

$Y_{xy}(21.9746, 0.3689, 0.4168)$

Have a look what the booklet for
Yxy(21.9746, 0.3689, 0.4168)
contains.

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Color

Yxy(21.8283, 0.3691, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	858352
RGB	133, 131, 82
RGB Percent	52%, 51%, 32%
CMY	0.4785, 0.4863, 0.6784
CMYK	0.00, 0.01, 0.38, 0.48
HSL	58°, 24%, 42%
HSV	58°, 38%, 52%
XYZ	19.3117, 21.8283, 11.1810
YIQ	126.0120, 16.9210, -14.8150

Conversions

Conversions Part 2

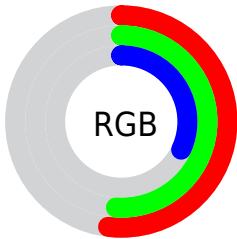
Format	Color
RYB	84, 133, 82
Decimal	8749906
CIELab	53.84, -7.11, 26.77
CIELCh	54, 27.693, 104.876
Yxy	21.8283, 0.3691, 0.4172
Android (android.graphics.Color)	4286939986 (0xFF858352)
YUV	126.0120, -21.6979, 6.1285
Hunter-Lab	46.7208, -7.9798, 18.5155

Details

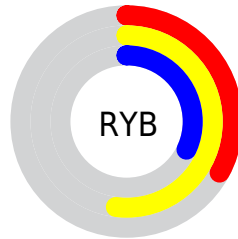
The Yxy color **21.8283, 0.3691, 0.4172** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.8289, 0.2461, 0.2223**, and the grayscale version is **20.9397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5117, 0.3575, 0.3978**, and **7.9558, 0.3869, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **21.5071, 0.3831, 0.4386**, and if you desaturate by 10%, it is **22.1914, 0.3544, 0.3944**.

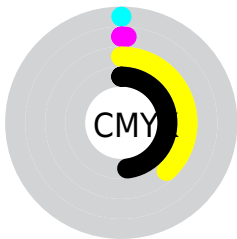
Distribution



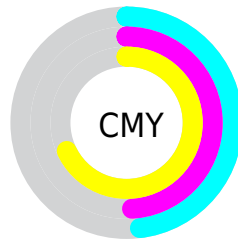
- Red (52%)
- Green (51%)
- Blue (32%)



- Red (33%)
- Yellow (52%)
- Blue (32%)



- Cyan (0%)
- Magenta (1%)
- Yellow (38%)
- Black (48%)



- Cyan (48%)
- Magenta (49%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8283, 0.3691, 0.4172 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 21.8283, 0.3691, 0.4172 by changing the saturation by 10% instead.

21.8283, 0.3691,
0.4172

21.8283, 0.3691,
0.4172

261.6483, 0.3384,
0.3673

13.7308, 0.3773,
0.4317

46.4621, 0.3574,
0.3975

7.9337, 0.3880,
0.4515

63.7671, 0.3532,
0.3906

4.0525, 0.4016,
0.4796

84.9101, 0.3497,
0.3850

1.7030, 0.4449,
0.5551

110.2754, 0.3467,
0.3802

0.4256, 0.3518,
0.6482

140.2475, 0.3442,
0.3762

0.0000, 0.0000,
0.0000

175.2108, 0.3420,

0.3728

215.5496, 0.3401,
0.3699

■ 21.8283, 0.3691,
0.4172

■ 21.8283, 0.3691,
0.4172

■ 21.5071, 0.3831,
0.4386

■ 22.1914, 0.3544,
0.3944

■ 21.2226, 0.3957,
0.4577

■ 22.5956, 0.3394,
0.3711

■ 20.9732, 0.4066,
0.4737

■ 23.0438, 0.3246,
0.3478

■ 20.7561, 0.4152,
0.4860

■ 23.5378, 0.3104,
0.3253

■ 20.5682, 0.4213,
0.4942

■ 24.0793, 0.2969,
0.3039

■ 20.4016, 0.4254,
0.4991

■ 24.6700, 0.2843,
0.2838

■ 20.3742, 0.4261,
0.4999

■ 25.3114, 0.2727,
0.2651

■ 26.0050, 0.2620,
0.2480

■ 26.7522, 0.2524,
0.2324

Harmonies

Analogous

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



21.8283, 0.4029, 0.3947



21.8283, 0.3691, 0.4172



21.8283, 0.3217, 0.4140

Triad

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



21.8283, 0.3691, 0.4172



21.8283, 0.2227, 0.2869



21.8283, 0.3482, 0.2838

Complementary

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



21.8283, 0.3691, 0.4172



9.8289, 0.2461, 0.2223

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.



21.8283, 0.2973, 0.2590



21.8283, 0.3691, 0.4172



21.8283, 0.2283, 0.2584

Square

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



21.8283, 0.3691, 0.4172



21.8283, 0.2386, 0.3320



21.8283, 0.2544, 0.2495



21.8283, 0.3915, 0.3190

Rectangle

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



21.8283, 0.3691, 0.4172



21.8283, 0.2892, 0.3949



21.8283, 0.2544, 0.2495



21.8283, 0.3312, 0.2741

Sweetspot

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



21.8293, 0.3691, 0.4172



41.0294, 0.3289, 0.3546



11.6719, 0.3977, 0.3243



9.2230, 0.3306, 0.3572



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.



21.8293, 0.3691, 0.4172



38.5901, 0.3813, 0.4360



20.7008, 0.3394, 0.4298



5.3927, 0.3258, 0.3497



19.4120, 0.4261, 0.4999



0.0697, 0.4224, 0.5028

Inverse Universe

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



9.8289, 0.2461, 0.2223



13.8955, 0.2284, 0.1934



10.7308, 0.2759, 0.2265



4.5715, 0.2992, 0.3075



1.7231, 0.1510, 0.0637



0.0077, 0.1556, 0.0801

Previews

White Background



This preview shows how the Yxy color 21.8283, 0.3691, 0.4172 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 21.8283, 0.3691, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

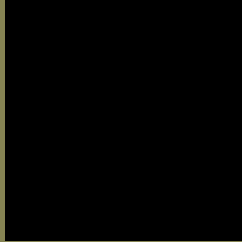
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8283, 0.3691, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 21.8283, 0.3691, 0.4172.



This preview shows how white text looks on a background with the Yxy color 21.8283, 0.3691, 0.4172.

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

21.8283, 0.3691, 0.4172

Protanopia

21.8700, 0.3805, 0.4129

Deuteranopia

21.7746, 0.4008, 0.3931



Tritanopia

21.8774, 0.3194, 0.3136

Trichromacy



Original Color

21.8283, 0.3691, 0.4172

Protanomaly

21.8777, 0.3759, 0.4157

Deuteranomaly

21.7493, 0.3894, 0.4022

Tritanomaly

21.7349, 0.3385, 0.3503

Monochromacy



Original Color

21.8283, 0.3691, 0.4172

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2313, 0.3340, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8283, 0.3691, 0.4172 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(133, 131, 82)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 82)  
}
```

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(133, 131, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.8283, 0.3691, 0.4172 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(133, 131, 82) }
```

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

```
.border{ border-color:rgb(133, 131, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 82);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8283, 0.3691, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 82) }
```

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

```
.background{ background-color: rgb(133,  
131, 82) }
```

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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