

Converting Colors

$Y_{xy}(22.0127, 0.3799, 0.4348)$

Have a look what the booklet for
Yxy(22.0127, 0.3799, 0.4348)
contains.

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Color

Yxy(22.0387, 0.3800, 0.4350)

Conversions

Conversions Part 1

Format	Color
Hex	868448
RGB	134, 132, 72
RGB Percent	53%, 52%, 28%
CMY	0.4745, 0.4823, 0.7176
CMYK	0.00, 0.01, 0.46, 0.47
HSL	58°, 30%, 40%
HSV	58°, 46%, 53%
XYZ	19.2522, 22.0387, 9.3728
YIQ	125.7580, 20.4520, -18.2360

Conversions

Conversions Part 2

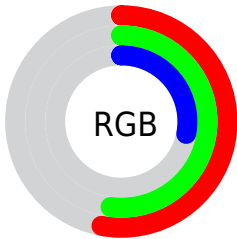
Format	Color
R_{YB}	74, 134, 72
Decimal	8815688
CIE _{Lab}	54.07, -8.38, 32.50
CIE _{LCh}	54, 33.561, 104.452
Yxy	22.0387, 0.3800, 0.4350
Android (android.graphics.Color)	4287005768 (0xFF868448)
YUV	125.7580, -26.5027, 7.2282
Hunter-Lab	46.9454, -8.9520, 21.0244

Details

The Yxy color **22.0387, 0.3800, 0.4350** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.9980, 0.2298, 0.1950**, and the grayscale version is **20.8647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7944, 0.3661, 0.4118**, and **8.0957, 0.4009, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **21.7670, 0.3928, 0.4547**, and if you desaturate by 10%, it is **22.3510, 0.3659, 0.4131**.

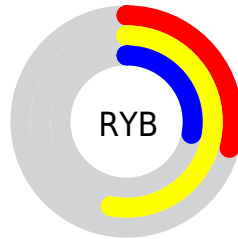
Distribution



Red (53%)

Green (52%)

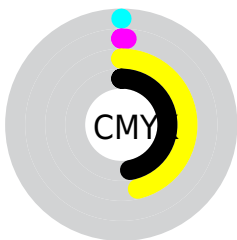
Blue (28%)



Red (29%)

Yellow (53%)

Blue (28%)

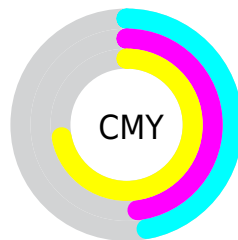


Cyan (0%)

Magenta (1%)

Yellow (46%)

Black (47%)



Cyan (47%)


Magenta (48%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0387, 0.3800, 0.4350 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 22.0387, 0.3800, 0.4350 by changing the saturation by 10% instead.


 22.0387, 0.3800,
0.4350


 22.0387, 0.3800,
0.4350


262.7483, 0.3440,
0.3754


 13.8853, 0.3891,
0.4519


 46.8100, 0.3666,
0.4118

 8.0410, 0.4004,
0.4744


 64.1966, 0.3616,
0.4035


 4.1212, 0.4153,
0.5072

 85.4299, 0.3574,
0.3967

 1.7416, 0.4375,
0.5625

 110.8941, 0.3539,
0.3910

 0.4504, 0.3318,
0.6682

 140.9736, 0.3509,
0.3862

 0.0000, 0.0000,
0.0000

176.0529, 0.3483,

0.3821

216.5163, 0.3460,
0.3785

■ 22.0387, 0.3800,
0.4350

■ 22.0387, 0.3800,
0.4350

■ 21.7670, 0.3928,
0.4547

■ 22.3510, 0.3659,
0.4131

■ 21.5304, 0.4039,
0.4715

■ 22.7033, 0.3512,
0.3900

■ 21.3270, 0.4128,
0.4846

■ 23.0985, 0.3363,
0.3665

■ 21.1538, 0.4193,
0.4937

■ 23.5386, 0.3216,
0.3432

■ 21.0052, 0.4235,
0.4991

■ 24.0255, 0.3075,
0.3207

■ 20.9514, 0.4249,
0.5009

■ 24.5610, 0.2942,
0.2993

■ 25.1465, 0.2818,
0.2794

■ 25.7838, 0.2703,
0.2609

■ 26.4743, 0.2598,
0.2439

Harmonies

Analogous

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



22.0387, 0.4210, 0.4056



22.0387, 0.3800, 0.4350



22.0387, 0.3232, 0.4336

Triad

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



22.0387, 0.3800, 0.4350



22.0387, 0.2062, 0.2780



22.0387, 0.3543, 0.2747

Complementary

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



22.0387, 0.3800, 0.4350



7.9980, 0.2298, 0.1950

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.



22.0387, 0.2929, 0.2461



22.0387, 0.3800, 0.4350



22.0387, 0.2124, 0.2447

Square

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



22.0387, 0.3800, 0.4350



22.0387, 0.2246, 0.3326



22.0387, 0.2424, 0.2349



22.0387, 0.4075, 0.3155

Rectangle

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



22.0387, 0.3800, 0.4350



22.0387, 0.2843, 0.4107



22.0387, 0.2424, 0.2349



22.0387, 0.3336, 0.2635

Sweetspot

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



22.0397, 0.3800, 0.4350



40.8457, 0.3334, 0.3619



10.2004, 0.4271, 0.3254



9.1711, 0.3362, 0.3663



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.



22.0397, 0.3800, 0.4350



38.3114, 0.3940, 0.4565



20.5243, 0.3426, 0.4528



5.3981, 0.3258, 0.3498



19.6395, 0.4248, 0.5009



0.0700, 0.4219, 0.5032

Inverse Universe

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



7.9980, 0.2298, 0.1950



10.2331, 0.2074, 0.1583



9.1213, 0.2675, 0.2037



4.5668, 0.2992, 0.3073



1.7037, 0.1509, 0.0630



0.0074, 0.1546, 0.0767

Previews

White Background



This preview shows how the Yxy color 22.0387, 0.3800, 0.4350 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 22.0387, 0.3800, 0.4350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

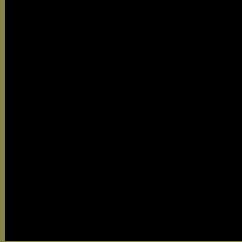
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0387, 0.3800, 0.4350

Background



This preview shows how black text looks on a background with the Yxy color 22.0387, 0.3800, 0.4350.



This preview shows how white text looks on a background with the Yxy color 22.0387, 0.3800, 0.4350.

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

22.0387, 0.3800, 0.4350

Protanopia

21.9062, 0.3936, 0.4280

Deuteranopia

21.8284, 0.4148, 0.4075



Tritanopia

22.0792, 0.3207, 0.3120

Trichromacy



Original Color

22.0387, 0.3800, 0.4350

Protanomaly

21.9092, 0.3889, 0.4311

Deuteranomaly

21.7923, 0.4030, 0.4171

Tritanomaly

22.0115, 0.3429, 0.3573

Monochromacy



Original Color

22.0387, 0.3800, 0.4350

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.1461, 0.3386, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0387, 0.3800, 0.4350 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(134, 132, 72)` looks like.

```
.text, #text, p{  
    color:rgb(134, 132, 72)  
}
```

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(134, 132, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 132, 72) }
```

Border

The CSS property to change the border of an element to Yxy 22.0387, 0.3800, 0.4350 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(134, 132, 72) }
```

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

```
.border{ border-color:rgb(134, 132, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 132, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 132, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 132, 72);  
box-shadow:4px 4px 4px 4px rgb(134, 132,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0387, 0.3800, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 132, 72) }
```

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

```
.background{ background-color: rgb(134,  
132, 72) }
```

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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