

Converting Colors

$Yxy(38.8003, 0.3370, 0.3860)$

Have a look what the booklet for
Yxy(38.8003, 0.3370, 0.3860)
contains.

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Color

Yxy(38.8799, 0.3366, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	A2AC85
RGB	162, 172, 133
RGB Percent	64%, 67%, 52%
CMY	0.3647, 0.3255, 0.4785
CMYK	0.06, 0.00, 0.23, 0.33
HSL	75°, 19%, 60%
HSV	75°, 23%, 67%
XYZ	33.8865, 38.8799, 27.9065
YIQ	164.5640, 6.5590, -14.2490

Conversions

Conversions Part 2

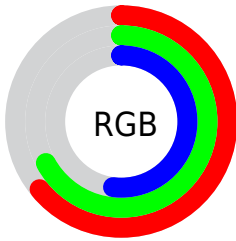
Format	Color
RYB	133, 172, 143
Decimal	10660997
CIELab	68.66, -10.39, 18.93
CIElCh	69, 21.596, 118.762
Yxy	38.8799, 0.3366, 0.3862
Android (android.graphics.Color)	4288851077 (0xFFA2AC85)
YUV	164.5640, -15.5611, -2.2486
Hunter-Lab	62.3537, -12.1122, 17.1123

Details

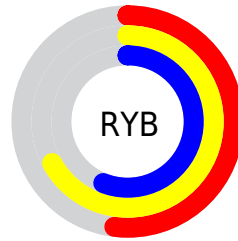
The Yxy color **38.8799, 0.3366, 0.3862** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.5917, 0.2850, 0.2686**, and the grayscale version is **37.4815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2351, 0.3325, 0.3749**, and **17.3725, 0.3433, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **37.9907, 0.3468, 0.4129**, and if you desaturate by 10%, it is **39.8666, 0.3260, 0.3602**.

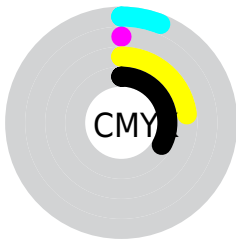
Distribution



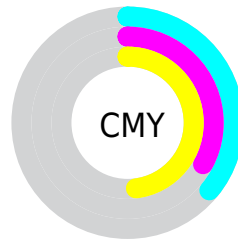
- Red (64%)
- Green (67%)
- Blue (52%)



- Red (52%)
- Yellow (67%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)





- Cyan (36%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8799, 0.3366, 0.3862 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 38.8799, 0.3366, 0.3862 by changing the saturation by 10% instead.

 38.8799, 0.3366,
0.3862


 38.8799, 0.3366,
0.3862


341.3796, 0.3247,
0.3562


 26.6663, 0.3395,
0.3942


 73.4548, 0.3323,
0.3749

 17.3228, 0.3432,
0.4047


 96.5849, 0.3307,
0.3708

 10.4649, 0.3480,
0.4191


 124.1227, 0.3293,
0.3674

 5.7083, 0.3542,
0.4402

156.4524, 0.3281,
0.3644

 2.6685, 0.3624,
0.4733

193.9586, 0.3271,
0.3619

 0.9612, 0.4064,
0.5936

237.0256, 0.3262,

 0.0000, 0.0000,

0.3597

0.0000

286.0378, 0.3254,
0.3578

■ 38.8799, 0.3366,
0.3862

■ 38.8799, 0.3366,
0.3862

■ 37.9907, 0.3468,
0.4129

■ 39.8666, 0.3260,
0.3602

■ 37.1899, 0.3563,
0.4394

■ 40.9493, 0.3155,
0.3354

■ 36.4749, 0.3645,
0.4648

■ 42.1332, 0.3052,
0.3122

■ 35.8411, 0.3710,
0.4880

■ 43.4216, 0.2955,
0.2907

■ 35.2833, 0.3753,
0.5078

■ 44.8176, 0.2862,
0.2711

■ 34.7955, 0.3771,
0.5235

■ 46.3242, 0.2777,
0.2533

■ 34.3707, 0.3764,
0.5345

■ 47.9443, 0.2697,
0.2372

■ 34.0886, 0.3749,
0.5405

■ 48.6348, 0.2719,
0.2366

■ 49.2400, 0.2752,
0.2374

Harmonies

Analogous

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



38.8799, 0.3631, 0.3806



38.8799, 0.3366, 0.3862



38.8799, 0.3046, 0.3745

Triad

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



38.8799, 0.3366, 0.3862



38.8799, 0.2529, 0.2922



38.8799, 0.3498, 0.3097

Complementary

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



38.8799, 0.3366, 0.3862



25.5917, 0.2850, 0.2686

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.



38.8799, 0.3184, 0.2889



38.8799, 0.3366, 0.3862



38.8799, 0.2635, 0.2783

Square

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



38.8799, 0.3366, 0.3862



38.8799, 0.2573, 0.3176



38.8799, 0.2869, 0.2775



38.8799, 0.3714, 0.3357

Rectangle

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



38.8799, 0.3366, 0.3862



38.8799, 0.2846, 0.3582



38.8799, 0.2869, 0.2775



38.8799, 0.3400, 0.3020

Sweetspot

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



38.8816, 0.3366, 0.3862



73.3887, 0.3202, 0.3462



30.0336, 0.3550, 0.3436



15.9248, 0.3208, 0.3476



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.8816, 0.3366, 0.3862



69.7360, 0.3416, 0.3990



37.0170, 0.3186, 0.3895



9.2253, 0.3225, 0.3517



25.3934, 0.3753, 0.5402



0.7306, 0.3894, 0.5290

Inverse Universe

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



25.5917, 0.2850, 0.2686



41.5121, 0.2780, 0.2541



27.4602, 0.3049, 0.2720



7.8528, 0.3024, 0.3058



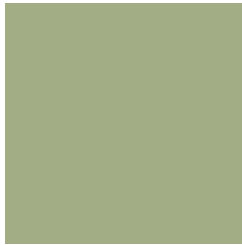
2.6395, 0.1665, 0.0691



0.0996, 0.1994, 0.0872

Previews

White Background



This preview shows how the Yxy color 38.8799, 0.3366, 0.3862 looks on a white background.

Color Contrast Check

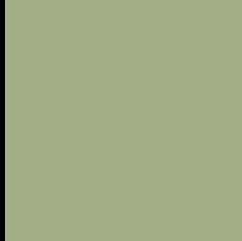
Large Text (above 18pt) WCAG AA × Fail

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 38.8799, 0.3366, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

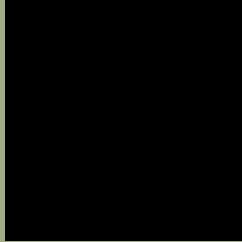
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8799, 0.3366, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 38.8799, 0.3366, 0.3862.



This preview shows how white text looks on a background with the Yxy color 38.8799, 0.3366, 0.3862.

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

38.8799, 0.3366, 0.3862

Protanopia

38.7411, 0.3555, 0.3796

Deuteranopia

38.7083, 0.3700, 0.3638



Tritanopia

38.8519, 0.3036, 0.3110

Trichromacy



Original Color

38.8799, 0.3366, 0.3862

Protanomaly

38.8125, 0.3480, 0.3819

Deuteranomaly

38.5766, 0.3574, 0.3721

Tritanomaly

38.7209, 0.3160, 0.3375

Monochromacy



Original Color

38.8799, 0.3366, 0.3862

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.1977, 0.3219, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8799, 0.3366, 0.3862 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(162, 172, 133)` looks like.

```
.text, #text, p{  
    color:rgb(162, 172, 133)  
}
```

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(162, 172, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 172, 133) }
```

Border

The CSS property to change the border of an element to Yxy 38.8799, 0.3366, 0.3862 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(162, 172, 133) }
```

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

```
.border{ border-color:rgb(162, 172, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 172, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 172, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 172, 133);  
box-shadow:4px 4px 4px 4px rgb(162, 172,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8799, 0.3366, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 172, 133) }
```

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

```
.background{ background-color: rgb(162,  
172, 133) }
```

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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