

Converting Colors

$Yxy(37.0586, 0.3458, 0.3846)$

Have a look what the booklet for
Yxy(37.0586, 0.3458, 0.3846)
contains.

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Color

Yxy(36.9379, 0.3465, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	A6A680
RGB	166, 166, 128
RGB Percent	65%, 65%, 50%
CMY	0.3489, 0.3490, 0.4981
CMYK	0.00, 0.00, 0.23, 0.35
HSL	60°, 18%, 58%
HSV	60°, 23%, 65%
XYZ	33.2614, 36.9379, 25.7932
YIQ	161.6680, 12.1980, -11.8180

Conversions

Conversions Part 2

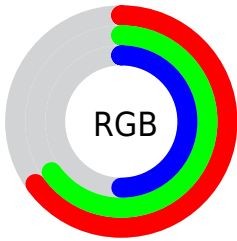
Format	Color
RYB	128, 166, 128
Decimal	10921600
CIELab	67.23, -6.40, 19.75
CIELCh	67, 20.763, 107.967
Yxy	36.9379, 0.3465, 0.3848
Android (android.graphics.Color)	4289111680 (0xFFA6A680)
YUV	161.6680, -16.5983, 3.7992
Hunter-Lab	60.7766, -8.6707, 17.3813

Details

The Yxy color **36.9379, 0.3465, 0.3848** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.7838, 0.2748, 0.2664**, and the grayscale version is **36.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4213, 0.3398, 0.3738**, and **16.1765, 0.3565, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **36.5332, 0.3612, 0.4092**, and if you desaturate by 10%, it is **37.4174, 0.3316, 0.3601**.

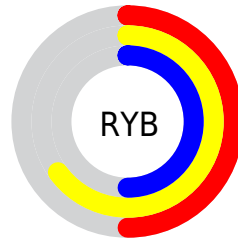
Distribution



Red (65%)

Green (65%)

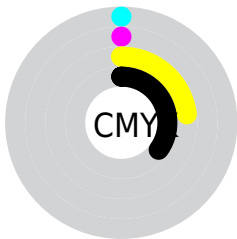
Blue (50%)



Red (50%)

Yellow (65%)

Blue (50%)

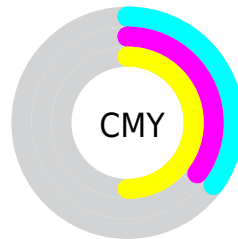


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (35%)



Cyan (35%)


Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9379, 0.3465, 0.3848 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 36.9379, 0.3465, 0.3848 by changing the saturation by 10% instead.


 36.9379, 0.3465,
0.3848


 36.9379, 0.3465,
0.3848


333.0416, 0.3293,
0.3555


 25.1594, 0.3509,
0.3926


 70.4773, 0.3402,
0.3738

 16.1959, 0.3565,
0.4028


 93.0069, 0.3378,
0.3698

 9.6629, 0.3639,
0.4168


 119.8891, 0.3358,
0.3664

 5.1760, 0.3740,
0.4370

151.5082, 0.3341,
0.3636

 2.3509, 0.3900,
0.4707

188.2486, 0.3327,
0.3611

 0.8005, 0.4302,
0.5698

230.4947, 0.3314,

 0.0000, 0.0000,

0.3590

0.0000

278.6309, 0.3303,
0.3571

■ 36.9379, 0.3465,
0.3848

■ 36.9379, 0.3465,
0.3848

■ 36.5332, 0.3612,
0.4092

■ 37.4174, 0.3316,
0.3601

■ 36.1950, 0.3753,
0.4323

■ 37.9700, 0.3169,
0.3359

■ 35.9210, 0.3881,
0.4534

■ 38.6004, 0.3028,
0.3126

■ 35.7073, 0.3991,
0.4716

■ 39.3116, 0.2895,
0.2906

■ 35.5490, 0.4078,
0.4860

■ 40.1061, 0.2771,
0.2702

■ 35.4411, 0.4140,
0.4963

■ 40.9867, 0.2657,
0.2514

■ 35.3771, 0.4178,
0.5024

■ 41.9557, 0.2554,
0.2342

■ 35.3481, 0.4194,
0.5052

■ 42.6361, 0.2491,
0.2239

■ 42.6404, 0.2491,
0.2239

Harmonies

Analogous

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



36.9379, 0.3684, 0.3739



36.9379, 0.3465, 0.3848



36.9379, 0.3161, 0.3795

Triad

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



36.9379, 0.3465, 0.3848



36.9379, 0.2540, 0.3009



36.9379, 0.3386, 0.3020

Complementary

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



36.9379, 0.3465, 0.3848



22.7838, 0.2748, 0.2664

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.



36.9379, 0.3068, 0.2845



36.9379, 0.3465, 0.3848



36.9379, 0.2592, 0.2828

Square

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



36.9379, 0.3465, 0.3848



36.9379, 0.2635, 0.3286



36.9379, 0.2780, 0.2774



36.9379, 0.3641, 0.3262

Rectangle

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



36.9379, 0.3465, 0.3848



36.9379, 0.2955, 0.3668



36.9379, 0.2780, 0.2774



36.9379, 0.3282, 0.2952

Sweetspot

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



36.9395, 0.3465, 0.3848



68.4490, 0.3230, 0.3460



25.1191, 0.3578, 0.3282



15.3049, 0.3239, 0.3474



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.9395, 0.3465, 0.3848



66.6652, 0.3533, 0.3961



35.1021, 0.3283, 0.3882



8.7729, 0.3262, 0.3513



27.4018, 0.4194, 0.5052



0.6670, 0.4194, 0.5052

Inverse Universe

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



22.7838, 0.2748, 0.2664



36.8347, 0.2660, 0.2518



24.3337, 0.2939, 0.2696



7.3014, 0.2986, 0.3057



2.1373, 0.1500, 0.0601



0.0523, 0.1501, 0.0603

Previews

White Background



This preview shows how the Yxy color 36.9379, 0.3465, 0.3848 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 36.9379, 0.3465, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

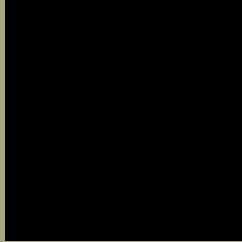
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

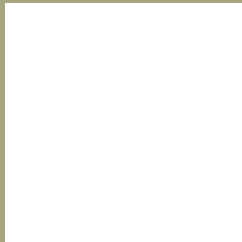
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9379, 0.3465, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 36.9379, 0.3465, 0.3848.



This preview shows how white text looks on a background with the Yxy color 36.9379, 0.3465, 0.3848.

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

36.9379, 0.3465, 0.3848

Protanopia

36.7254, 0.3564, 0.3807

Deuteranopia

36.8020, 0.3734, 0.3658



Tritanopia

36.9294, 0.3126, 0.3110

Trichromacy



Original Color

36.9379, 0.3465, 0.3848

Protanomaly

36.7412, 0.3530, 0.3826

Deuteranomaly

36.6717, 0.3639, 0.3725

Tritanomaly

36.8210, 0.3249, 0.3362

Monochromacy



Original Color

36.9379, 0.3465, 0.3848

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1829, 0.3243, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9379, 0.3465, 0.3848 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(166, 166, 128)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 128)  
}
```

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(166, 166, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 128) }
```

Border

The CSS property to change the border of an element to Yxy 36.9379, 0.3465, 0.3848 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(166, 166, 128) }
```

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

```
.border{ border-color:rgb(166, 166, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 128);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9379, 0.3465, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 128) }
```

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

```
.background{ background-color: rgb(166,  
166, 128) }
```

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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