

Converting Colors

$Yxy(38.5070, 0.3486, 0.3866)$

Have a look what the booklet for
Yxy(38.5070, 0.3486, 0.3866)
contains.

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Color

Yxy(38.5070, 0.3487, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	AAA981
RGB	170, 169, 129
RGB Percent	67%, 66%, 51%
CMY	0.3332, 0.3373, 0.4942
CMYK	0.00, 0.01, 0.24, 0.33
HSL	58°, 19%, 59%
HSV	58°, 24%, 67%
XYZ	34.7320, 38.5070, 26.3652
YIQ	164.7390, 13.4360, -12.2280

Conversions

Conversions Part 2

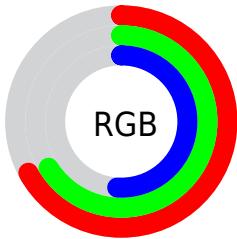
Format	Color
RYB	130, 170, 129
Decimal	11184513
CIELab	68.39, -6.30, 20.85
CIElCh	68, 21.776, 106.806
Yxy	38.5070, 0.3487, 0.3866
Android (android.graphics.Color)	4289374593 (0xFFAAA981)
YUV	164.7390, -17.6193, 4.6139
Hunter-Lab	62.0540, -8.6870, 18.2469

Details

The Yxy color **38.5070, 0.3487, 0.3866** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.5398, 0.2725, 0.2641**, and the grayscale version is **37.5786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8575, 0.3424, 0.3753**, and **17.0690, 0.3591, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **37.9345, 0.3637, 0.4104**, and if you desaturate by 10%, it is **39.1587, 0.3336, 0.3624**.

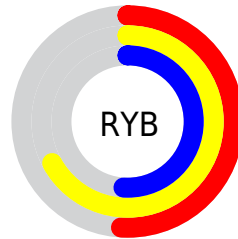
Distribution



Red (67%)

Green (66%)

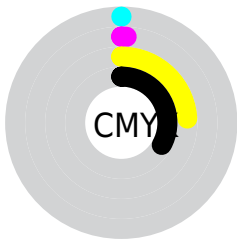
Blue (51%)



Red (51%)

Yellow (67%)

Blue (51%)

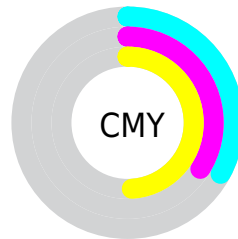


Cyan (0%)

Magenta (1%)

Yellow (24%)

Black (33%)



Cyan (33%)


Magenta (34%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5070, 0.3487, 0.3866 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 38.5070, 0.3487, 0.3866 by changing the saturation by 10% instead.


 38.5070, 0.3487,
0.3866

 38.5070, 0.3487,
0.3866


339.7899, 0.3305,
0.3566


 26.3764, 0.3533,
0.3945


 72.8846, 0.3420,
0.3754

 17.1055, 0.3591,
0.4047


 95.9004, 0.3396,
0.3713

 10.3097, 0.3668,
0.4187


 123.3133, 0.3374,
0.3678

 5.6048, 0.3772,
0.4388

155.5079, 0.3356,
0.3649

 2.6063, 0.3925,
0.4704

192.8684, 0.3341,
0.3624

 0.9298, 0.4396,
0.5604

235.7794, 0.3327,

 0.0000, 0.0000,

0.3602

0.0000

284.6250, 0.3315,
0.3583

■ 38.5070, 0.3487,
0.3866

■ 38.5070, 0.3487,
0.3866

■ 37.9345, 0.3637,
0.4104

■ 39.1587, 0.3336,
0.3624

■ 37.4323, 0.3781,
0.4331

■ 39.8880, 0.3187,
0.3386

■ 36.9980, 0.3912,
0.4536

■ 40.6997, 0.3045,
0.3157

■ 36.6274, 0.4025,
0.4711

■ 41.5970, 0.2911,
0.2941

■ 36.3154, 0.4116,
0.4848

■ 42.5827, 0.2786,
0.2739

■ 36.0562, 0.4181,
0.4943

■ 43.6596, 0.2672,
0.2554

■ 35.8431, 0.4221,
0.4997

■ 44.8304, 0.2568,
0.2384

■ 35.7300, 0.4237,
0.5018

■ 45.4360, 0.2528,
0.2322

■ 45.5998, 0.2529,
0.2327

Harmonies

Analogous

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



38.5070, 0.3709, 0.3747



38.5070, 0.3487, 0.3866



38.5070, 0.3175, 0.3819

Triad

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



38.5070, 0.3487, 0.3866



38.5070, 0.2522, 0.3009



38.5070, 0.3382, 0.3002

Complementary

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



38.5070, 0.3487, 0.3866



23.5398, 0.2725, 0.2641

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.



38.5070, 0.3053, 0.2825



38.5070, 0.3487, 0.3866



38.5070, 0.2569, 0.2817

Square

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



38.5070, 0.3487, 0.3866



38.5070, 0.2626, 0.3297



38.5070, 0.2758, 0.2757



38.5070, 0.3651, 0.3250

Rectangle

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



38.5070, 0.3487, 0.3866



38.5070, 0.2960, 0.3691



38.5070, 0.2758, 0.2757



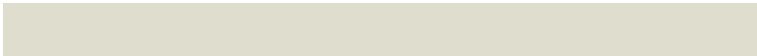
38.5070, 0.3274, 0.2933

Sweetspot

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



38.5087, 0.3487, 0.3866



71.9332, 0.3231, 0.3457



25.8673, 0.3602, 0.3271



16.0242, 0.3239, 0.3470



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.



38.5087, 0.3487, 0.3866



69.2646, 0.3568, 0.3995



36.9130, 0.3298, 0.3917



8.7409, 0.3263, 0.3508



26.2858, 0.4237, 0.5018



0.6493, 0.4221, 0.5030

Inverse Universe

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



23.5398, 0.2725, 0.2641



37.3282, 0.2621, 0.2471



24.9090, 0.2919, 0.2659



7.3297, 0.2986, 0.3063



2.2158, 0.1506, 0.0620



0.0631, 0.1532, 0.0714

Previews

White Background



This preview shows how the Yxy color 38.5070, 0.3487, 0.3866 looks on a white background.

Color Contrast Check

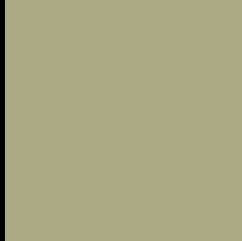
Large Text (above 18pt) WCAG AA × Fail

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 38.5070, 0.3487, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

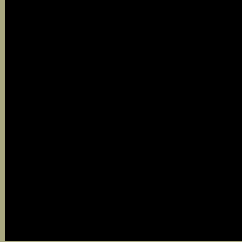
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5070, 0.3487, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 38.5070, 0.3487, 0.3866.



This preview shows how white text looks on a background with the Yxy color 38.5070, 0.3487, 0.3866.

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

38.5070, 0.3487, 0.3866

Protanopia

38.2959, 0.3585, 0.3825

Deuteranopia

38.3824, 0.3753, 0.3677



Tritanopia

38.5591, 0.3135, 0.3113

Trichromacy



Original Color

38.5070, 0.3487, 0.3866

Protanomaly

38.3099, 0.3552, 0.3844

Deuteranomaly

38.2452, 0.3659, 0.3744

Tritanomaly

38.4121, 0.3265, 0.3374

Monochromacy



Original Color

38.5070, 0.3487, 0.3866

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7549, 0.3259, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5070, 0.3487, 0.3866 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(170, 169, 129)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 129)  
}
```

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(170, 169, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 129) }
```

Border

The CSS property to change the border of an element to Yxy 38.5070, 0.3487, 0.3866 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(170, 169, 129) }
```

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

```
.border{ border-color:rgb(170, 169, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 129);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5070, 0.3487, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 129) }
```

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

```
.background{ background-color: rgb(170,  
169, 129) }
```

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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