

Converting Colors

$Yxy(38.8202, 0.3654, 0.4179)$

Have a look what the booklet for
Yxy(38.8202, 0.3654, 0.4179)
contains.

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Color

Yxy(38.7760, 0.3651, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB6D
RGB	170, 171, 109
RGB Percent	67%, 67%, 43%
CMY	0.3335, 0.3293, 0.5726
CMYK	0.01, 0.00, 0.36, 0.33
HSL	61°, 27%, 55%
HSV	61°, 36%, 67%
XYZ	33.8930, 38.7760, 20.1631
YIQ	163.6330, 19.3060, -19.4940

Conversions

Conversions Part 2

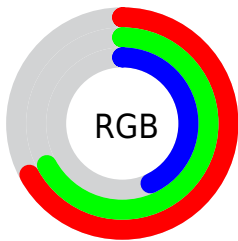
Format	Color
RYB	109, 171, 110
Decimal	11185005
CIELab	68.59, -10.04, 31.84
CIELCh	69, 33.391, 107.504
Yxy	38.7760, 0.3651, 0.4177
Android (android.graphics.Color)	4289375085 (0xFFAAAB6D)
YUV	163.6330, -26.9341, 5.5839
Hunter-Lab	62.2704, -11.8177, 24.3912

Details

The Yxy color **38.7760, 0.3651, 0.4177** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.1949, 0.2491, 0.2225**, and the grayscale version is **37.0619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1347, 0.3561, 0.4007**, and **17.3018, 0.3793, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **38.4119, 0.3785, 0.4406**, and if you desaturate by 10%, it is **39.2153, 0.3508, 0.3934**.

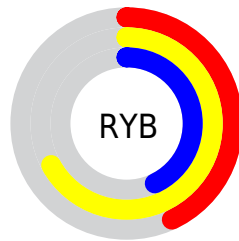
Distribution



Red (67%)

Green (67%)

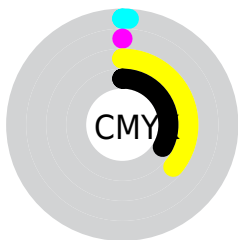
Blue (43%)



Red (43%)

Yellow (67%)

Blue (43%)

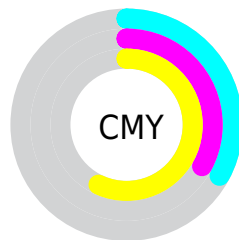


Cyan (1%)

Magenta (0%)

Yellow (36%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7760, 0.3651, 0.4177 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 38.7760, 0.3651, 0.4177 by changing the saturation by 10% instead.


 38.7760, 0.3651,
0.4177


 38.7760, 0.3651,
0.4177


340.9372, 0.3392,
0.3715


 26.5855, 0.3712,
0.4296


 73.2960, 0.3559,
0.4006


 17.2622, 0.3787,
0.4449


 96.3943, 0.3524,
0.3943

 10.4216, 0.3880,
0.4653


 123.8973, 0.3493,
0.3890

 5.6794, 0.3990,
0.4931

 156.1895, 0.3467,
0.3844

 2.6511, 0.4340,
0.5629

193.6551, 0.3445,
0.3805

 0.9524, 0.4088,
0.5912

236.6787, 0.3425,

 0.0000, 0.0000,

0.3772

0.0000

285.6446, 0.3408,
0.3742

■ 38.7760, 0.3651,
0.4177

■ 38.7760, 0.3651,
0.4177

■ 38.4119, 0.3785,
0.4406

■ 39.2153, 0.3508,
0.3934

■ 38.1137, 0.3904,
0.4611

■ 39.7284, 0.3362,
0.3686

■ 37.8784, 0.4004,
0.4784


■ 40.3207, 0.3216,
0.3440

■ 37.7009, 0.4079,
0.4918


■ 40.9954, 0.3075,
0.3203

■ 37.5751, 0.4130,
0.5009

■ 41.7557, 0.2942,
0.2978


 37.4930, 0.4156,
0.5061

 42.6047, 0.2816,
0.2768

 37.4670, 0.4164,
0.5076

 43.5451, 0.2701,
0.2575

 44.5796, 0.2595,
0.2398

 45.1910, 0.2543,
0.2310

Harmonies

Analogous

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



38.7760, 0.4004, 0.3972



38.7760, 0.3651, 0.4177



38.7760, 0.3173, 0.4118

Triad

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



38.7760, 0.3651, 0.4177



38.7760, 0.2227, 0.2838



38.7760, 0.3524, 0.2867

Complementary

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



38.7760, 0.3651, 0.4177



17.1949, 0.2491, 0.2225

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.



38.7760, 0.3017, 0.2609



38.7760, 0.3651, 0.4177



38.7760, 0.2301, 0.2571

Square

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



38.7760, 0.3651, 0.4177



38.7760, 0.2367, 0.3276



38.7760, 0.2578, 0.2500



38.7760, 0.3940, 0.3225

Rectangle

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



38.7760, 0.3651, 0.4177



38.7760, 0.2852, 0.3912



38.7760, 0.2578, 0.2500



38.7760, 0.3356, 0.2767

Sweetspot

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



38.7778, 0.3651, 0.4177



71.6546, 0.3287, 0.3560



20.9212, 0.3975, 0.3308



15.9485, 0.3307, 0.3593



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.



38.7778, 0.3651, 0.4177



68.8672, 0.3766, 0.4373



35.7233, 0.3346, 0.4274



9.3231, 0.3260, 0.3514



28.2403, 0.4164, 0.5076



0.7878, 0.4173, 0.5068

Inverse Universe

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



17.1949, 0.2491, 0.2225



24.1692, 0.2314, 0.1929



19.5425, 0.2821, 0.2315



7.7635, 0.2988, 0.3056



2.2332, 0.1507, 0.0604



0.0642, 0.1537, 0.0620

Previews

White Background



This preview shows how the Yxy color 38.7760, 0.3651, 0.4177 looks on a white background.

Color Contrast Check

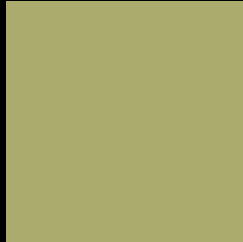
Large Text (above 18pt) WCAG AA × Fail

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 38.7760, 0.3651, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

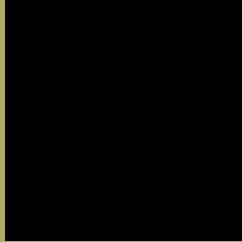
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7760, 0.3651, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 38.7760, 0.3651, 0.4177.



This preview shows how white text looks on a background with the Yxy color 38.7760, 0.3651, 0.4177.

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

38.7760, 0.3651, 0.4177

Protanopia

38.6441, 0.3809, 0.4116

Deuteranopia

38.5687, 0.3996, 0.3926



Tritanopia

38.7940, 0.3154, 0.3114

Trichromacy



Original Color

38.7760, 0.3651, 0.4177

Protanomaly

38.5530, 0.3755, 0.4128

Deuteranomaly

38.4955, 0.3870, 0.4018

Tritanomaly

38.6534, 0.3336, 0.3487

Monochromacy



Original Color

38.7760, 0.3651, 0.4177

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7580, 0.3319, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7760, 0.3651, 0.4177 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, 171, 109)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 109)  
}
```

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, 171, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 109) }
```

Border

The CSS property to change the border of an element to Yxy 38.7760, 0.3651, 0.4177 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, 171, 109) }
```

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

```
.border{ border-color:rgb(170, 171, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 109);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7760, 0.3651, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 109) }
```

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

```
.background{ background-color: rgb(170,  
171, 109) }
```

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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