

Converting Colors

$Yxy(38.6797, 0.3688, 0.4246)$

Have a look what the booklet for
Yxy(38.6797, 0.3688, 0.4246)
contains.

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Color

Yxy(38.6713, 0.3693, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB68
RGB	170, 171, 104
RGB Percent	67%, 67%, 41%
CMY	0.3332, 0.3294, 0.5922
CMYK	0.01, 0.00, 0.39, 0.33
HSL	61°, 29%, 54%
HSV	61°, 39%, 67%
XYZ	33.6427, 38.6713, 18.7845
YIQ	163.0630, 20.9110, -21.0490

Conversions

Conversions Part 2

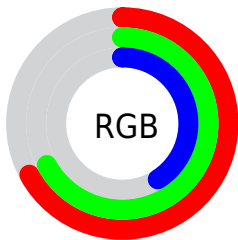
Format	Color
RYB	104, 171, 105
Decimal	11185000
CIELab	68.51, -10.59, 34.37
CIELCh	69, 35.968, 107.123
Yxy	38.6713, 0.3693, 0.4245
Android (android.graphics.Color)	4289375080 (0xFFAAAB68)
YUV	163.0630, -29.1181, 6.0837
Hunter-Lab	62.1863, -12.2577, 25.6207

Details

The Yxy color **38.6713, 0.3693, 0.4245** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8396, 0.2429, 0.2124**, and the grayscale version is **36.7918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9618, 0.3594, 0.4061**, and **17.1825, 0.3829, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **38.3325, 0.3824, 0.4467**, and if you desaturate by 10%, it is **39.0842, 0.3552, 0.4006**.

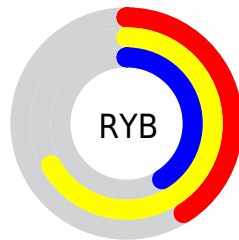
Distribution



Red (67%)

Green (67%)

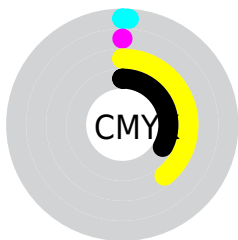
Blue (41%)



Red (41%)

Yellow (67%)

Blue (41%)

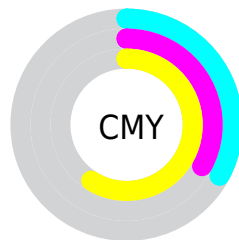


Cyan (1%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6713, 0.3693, 0.4245 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 38.6713, 0.3693, 0.4245 by changing the saturation by 10% instead.

 38.6713, 0.3693,
0.4245


 38.6713, 0.3693,
0.4245


340.4910, 0.3415,
0.3749


 26.5041, 0.3758,
0.4372


 73.1359, 0.3595,
0.4062


 17.2012, 0.3836,
0.4535


 96.2021, 0.3557,
0.3994

 10.3780, 0.3931,
0.4749


 123.6701, 0.3524,
0.3936

 5.6503, 0.4039,
0.5038

 155.9243, 0.3496,
0.3888

 2.6336, 0.4323,
0.5677

193.3491, 0.3472,
0.3846

 0.9436, 0.4031,
0.5969

236.3289, 0.3451,

 0.0000, 0.0000,

0.3809

0.0000

285.2480, 0.3432,
0.3777

■ 38.6713, 0.3693,
0.4245

■ 38.6713, 0.3693,
0.4245

■ 38.3325, 0.3824,
0.4467

■ 39.0842, 0.3552,
0.4006

■ 38.0581, 0.3938,
0.4664

■ 39.5697, 0.3405,
0.3758

■ 37.8452, 0.4031,
0.4825


■ 40.1333, 0.3259,
0.3511


■ 37.6884, 0.4100,
0.4946


■ 40.7784, 0.3116,
0.3271

■ 37.5814, 0.4144,
0.5025


■ 41.5082, 0.2979,
0.3042

 37.5118, 0.4167,
0.5069

 42.3256, 0.2851,
0.2827

 37.5065, 0.4168,
0.5072

 43.2336, 0.2733,
0.2629

 44.2350, 0.2624,
0.2447

 45.1449, 0.2541,
0.2309

Harmonies

Analogous

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



38.6713, 0.4072, 0.4014



38.6713, 0.3693, 0.4245



38.6713, 0.3180, 0.4191

Triad

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



38.6713, 0.3693, 0.4245



38.6713, 0.2164, 0.2805



38.6713, 0.3547, 0.2832

Complementary

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



38.6713, 0.3693, 0.4245



15.8396, 0.2429, 0.2124

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.



38.6713, 0.3000, 0.2560



38.6713, 0.3693, 0.4245



38.6713, 0.2241, 0.2520

Square

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



38.6713, 0.3693, 0.4245



38.6713, 0.2315, 0.3279



38.6713, 0.2532, 0.2444



38.6713, 0.4000, 0.3211

Rectangle

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



38.6713, 0.3693, 0.4245



38.6713, 0.2835, 0.3971



38.6713, 0.2532, 0.2444



38.6713, 0.3365, 0.2727

Sweetspot

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



38.6731, 0.3693, 0.4245



71.5584, 0.3303, 0.3585



19.5554, 0.4082, 0.3293



15.9291, 0.3321, 0.3616



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.



38.6731, 0.3693, 0.4245



68.7292, 0.3807, 0.4439



35.4844, 0.3372, 0.4357



9.3242, 0.3261, 0.3514



28.2774, 0.4168, 0.5072



0.7885, 0.4176, 0.5066

Inverse Universe

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



15.8396, 0.2429, 0.2124



22.0528, 0.2247, 0.1821



18.1989, 0.2777, 0.2226



7.7626, 0.2988, 0.3056



2.2306, 0.1506, 0.0603



0.0638, 0.1531, 0.0617

Previews

White Background



This preview shows how the Yxy color 38.6713, 0.3693, 0.4245 looks on a white background.

Color Contrast Check

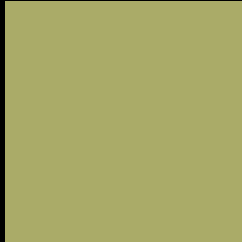
Large Text (above 18pt) WCAG AA × Fail

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 38.6713, 0.3693, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

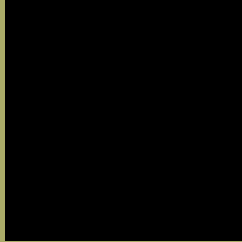
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6713, 0.3693, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 38.6713, 0.3693, 0.4245.



This preview shows how white text looks on a background with the Yxy color 38.6713, 0.3693, 0.4245.

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

38.6713, 0.3693, 0.4245

Protanopia

38.5418, 0.3852, 0.4181

Deuteranopia

38.6207, 0.4043, 0.3972



Tritanopia

38.4008, 0.3164, 0.3114

Trichromacy



Original Color

38.6713, 0.3693, 0.4245

Protanomaly

38.4495, 0.3797, 0.4194

Deuteranomaly

38.5387, 0.3916, 0.4067

Tritanomaly

38.1942, 0.3365, 0.3516

Monochromacy



Original Color

38.6713, 0.3693, 0.4245

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.3324, 0.3339, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6713, 0.3693, 0.4245 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 104) }
```

Border

The CSS property to change the border of an element to Yxy 38.6713, 0.3693, 0.4245 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, 104) }
```

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

```
.border{ border-color:rgb(170, 171, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 104);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6713, 0.3693, 0.4245 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, 104) }
```

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

```
.background{ background-color: rgb(170,  
171, 104) }
```

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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