

Converting Colors

$Yxy(38.7702, 0.3747, 0.4298)$

Have a look what the booklet for
Yxy(38.7702, 0.3747, 0.4298)
contains.

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Color

Yxy(38.8166, 0.3745, 0.4291)

Conversions

Conversions Part 1

Format	Color
Hex	ACAB64
RGB	172, 171, 100
RGB Percent	67%, 67%, 39%
CMY	0.3255, 0.3294, 0.6078
CMYK	0.00, 0.01, 0.42, 0.33
HSL	59°, 30%, 53%
HSV	59°, 42%, 67%
XYZ	33.8775, 38.8166, 17.7664
YIQ	163.2050, 23.3870, -21.8690

Conversions

Conversions Part 2

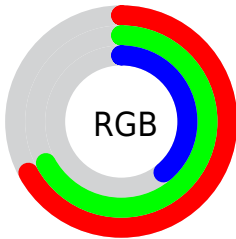
Format	Color
RYB	101, 172, 100
Decimal	11316068
CIELab	68.62, -10.22, 36.60
CIElCh	69, 38.006, 105.606
Yxy	38.8166, 0.3745, 0.4291
Android (android.graphics.Color)	4289506148 (0xFFACAB64)
YUV	163.2050, -31.1601, 7.7132
Hunter-Lab	62.3030, -11.9702, 26.7048

Details

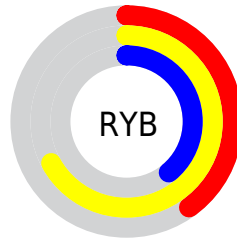
The Yxy color **38.8166, 0.3745, 0.4291** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9990, 0.2366, 0.2044**, and the grayscale version is **36.8712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3177, 0.3643, 0.4098**, and **17.2842, 0.3896, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **38.4294, 0.3877, 0.4503**, and if you desaturate by 10%, it is **39.2778, 0.3601, 0.4059**.

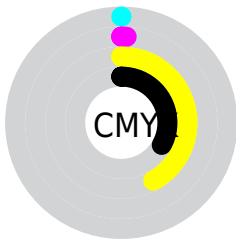
Distribution



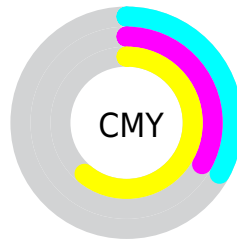
- Red (67%)
- Green (67%)
- Blue (39%)



- Red (40%)
- Yellow (67%)
- Blue (39%)



- Cyan (0%)
- Magenta (1%)
- Yellow (42%)
- Black (33%)





- Cyan (33%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8166, 0.3745, 0.4291 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 38.8166, 0.3745, 0.4291 by changing the saturation by 10% instead.


 38.8166, 0.3745,
0.4291


 38.8166, 0.3745,
0.4291


341.1101, 0.3442,
0.3773


 26.6171, 0.3815,
0.4422


 73.3581, 0.3638,
0.4101


 17.2859, 0.3899,
0.4589


 96.4688, 0.3597,
0.4030

 10.4385, 0.3998,
0.4806


 123.9854, 0.3562,
0.3970

 5.6907, 0.4109,
0.5094

 156.2922, 0.3531,
0.3919

 2.6579, 0.4344,
0.5656

193.7738, 0.3505,
0.3875

 0.9559, 0.4074,
0.5926

236.8143, 0.3481,

 0.0000, 0.0000,

0.3837

0.0000

285.7983, 0.3461,
0.3803

■ 38.8166, 0.3745,
0.4291

■ 38.8166, 0.3745,
0.4291

■ 38.4294, 0.3877,
0.4503

■ 39.2778, 0.3601,
0.4059

■ 38.1065, 0.3992,
0.4687

■ 39.8118, 0.3451,
0.3817

■ 37.8447, 0.4085,
0.4834


■ 40.4240, 0.3301,
0.3573


■ 37.6382, 0.4154,
0.4940


■ 41.1182, 0.3154,
0.3333

■ 37.4803, 0.4196,
0.5004


■ 41.8974, 0.3013,
0.3104

 37.3757, 0.4217,
0.5033

 42.7649, 0.2881,
0.2888

 43.7235, 0.2758,
0.2688

 44.7762, 0.2646,
0.2504

 45.9256, 0.2543,
0.2336

Harmonies

Analogous

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



38.8166, 0.4136, 0.4030



38.8166, 0.3745, 0.4291



38.8166, 0.3208, 0.4257

Triad

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



38.8166, 0.3745, 0.4291



38.8166, 0.2119, 0.2798



38.8166, 0.3540, 0.2791

Complementary

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



38.8166, 0.3745, 0.4291



14.9990, 0.2366, 0.2044

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.



38.8166, 0.2964, 0.2514



38.8166, 0.3745, 0.4291



38.8166, 0.2187, 0.2489

Square

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



38.8166, 0.3745, 0.4291



38.8166, 0.2287, 0.3304



38.8166, 0.2480, 0.2402



38.8166, 0.4030, 0.3183

Rectangle

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



38.8166, 0.3745, 0.4291



38.8166, 0.2843, 0.4035



38.8166, 0.2480, 0.2402



38.8166, 0.3347, 0.2683

Sweetspot

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



38.8184, 0.3745, 0.4291



73.1702, 0.3322, 0.3606



18.8318, 0.4162, 0.3275



15.8479, 0.3354, 0.3659



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.



38.8184, 0.3745, 0.4291



69.7760, 0.3865, 0.4484



35.7627, 0.3396, 0.4432



9.3108, 0.3263, 0.3511



27.8195, 0.4217, 0.5034



0.7798, 0.4209, 0.5040

Inverse Universe

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



14.9990, 0.2366, 0.2044



20.8418, 0.2175, 0.1730



17.2308, 0.2732, 0.2143



7.7744, 0.2985, 0.3059



2.2619, 0.1503, 0.0611



0.0686, 0.1517, 0.0660

Previews

White Background



This preview shows how the Yxy color 38.8166, 0.3745, 0.4291 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 38.8166, 0.3745, 0.4291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

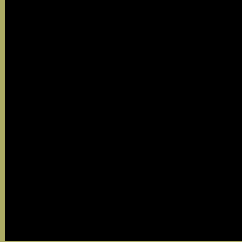
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8166, 0.3745, 0.4291

Background



This preview shows how black text looks on a background with the Yxy color 38.8166, 0.3745, 0.4291.



This preview shows how white text looks on a background with the Yxy color 38.8166, 0.3745, 0.4291.

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

38.8166, 0.3745, 0.4291

Protanopia

38.6056, 0.3887, 0.4215

Deuteranopia

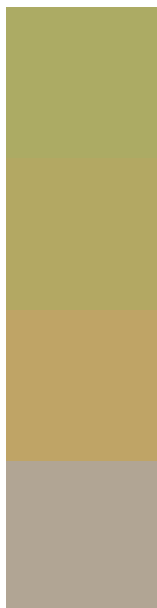
38.6774, 0.4090, 0.4017



Tritanopia

38.6391, 0.3183, 0.3115

Trichromacy



Original Color

38.8166, 0.3745, 0.4291

Protanomaly

38.4898, 0.3840, 0.4242

Deuteranomaly

38.5866, 0.3961, 0.4113

Tritanomaly

38.3955, 0.3394, 0.3529

Monochromacy



Original Color

38.8166, 0.3745, 0.4291

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.2729, 0.3357, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8166, 0.3745, 0.4291 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(172, 171, 100)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 100)  
}
```

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(172, 171, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 100) }
```

Border

The CSS property to change the border of an element to Yxy 38.8166, 0.3745, 0.4291 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(172, 171, 100) }
```

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

```
.border{ border-color:rgb(172, 171, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 100);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8166, 0.3745, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 100) }
```

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

```
.background{ background-color: rgb(172,  
171, 100) }
```

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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