

Converting Colors

$Yxy(40.0447, 0.3683, 0.4345)$

Have a look what the booklet for
Yxy(40.0447, 0.3683, 0.4345)
contains.

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Color

Yxy(39.9244, 0.3677, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	A8AF65
RGB	168, 175, 101
RGB Percent	66%, 69%, 40%
CMY	0.3413, 0.3137, 0.6038
CMYK	0.04, 0.00, 0.42, 0.31
HSL	66°, 32%, 54%
HSV	66°, 42%, 69%
XYZ	33.8253, 39.9244, 18.2420
YIQ	164.4710, 19.5820, -24.4980

Conversions

Conversions Part 2

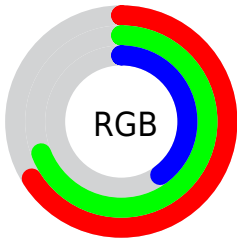
Format	Color
RYB	101, 175, 108
Decimal	11054949
CIELab	69.42, -13.84, 37.01
CIELCh	69, 39.517, 110.507
Yxy	39.9244, 0.3677, 0.4340
Android (android.graphics.Color)	4289245029 (0xFFA8AF65)
YUV	164.4710, -31.2912, 3.0949
Hunter-Lab	63.1858, -15.0183, 27.1128

Details

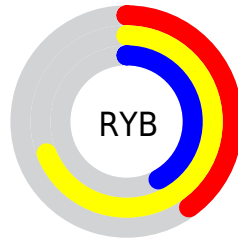
The Yxy color **39.9244, 0.3677, 0.4340** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6000, 0.2421, 0.2032**, and the grayscale version is **37.5065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7408, 0.3586, 0.4137**, and **17.9913, 0.3795, 0.4663** is the 20% darker color. If you saturate the color by 10%, you get **39.4375, 0.3789, 0.4569**, and if you desaturate by 10%, it is **40.4903, 0.3553, 0.4094**.

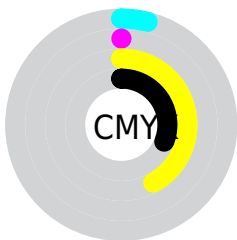
Distribution



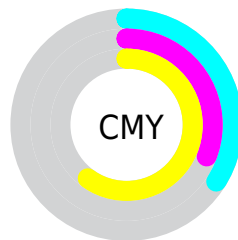
- Red (66%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (42%)



- Cyan (4%)
- Magenta (0%)
- Yellow (42%)
- Black (31%)




- Cyan (34%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9244, 0.3677, 0.4340 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 39.9244, 0.3677, 0.4340 by changing the saturation by 10% instead.


 39.9244, 0.3677,
0.4340


 39.9244, 0.3677,
0.4340


345.8048, 0.3412,
0.3795

 27.4796, 0.3736,
0.4479


 75.0484, 0.3585,
0.4139


 17.9337, 0.3806,
0.4657


 98.4964, 0.3549,
0.4064

 10.9024, 0.3886,
0.4890


 126.3808, 0.3518,
0.4001

 6.0013, 0.3968,
0.5202

 159.0862, 0.3491,
0.3948

 2.8458, 0.4168,
0.5832

196.9969, 0.3468,
0.3901

 1.0518, 0.3830,
0.6170

240.4973, 0.3447,

 0.0000, 0.0000,

0.3861

0.0000

289.9718, 0.3429,
0.3826

■ 39.9244, 0.3677,
0.4340

■ 39.9244, 0.3677,
0.4340

■ 39.4375, 0.3789,
0.4569

■ 40.4903, 0.3553,
0.4094

■ 39.0195, 0.3883,
0.4770

■ 41.1341, 0.3421,
0.3841

■ 38.6669, 0.3955,
0.4936


■ 41.8615, 0.3288,
0.3589


■ 38.3738, 0.4002,
0.5061

■ 42.6762, 0.3156,
0.3344

■ 38.1332, 0.4024,
0.5142


■ 43.5816, 0.3030,
0.3111

 37.9714, 0.4028,
0.5184

 44.5810, 0.2910,
0.2894

 45.6776, 0.2798,
0.2693

 46.8742, 0.2694,
0.2509

 47.9438, 0.2620,
0.2374

Harmonies

Analogous

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



39.9244, 0.4115, 0.4107



39.9244, 0.3677, 0.4340



39.9244, 0.3115, 0.4247

Triad

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



39.9244, 0.3677, 0.4340



39.9244, 0.2087, 0.2715



39.9244, 0.3646, 0.2837

Complementary

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



39.9244, 0.3677, 0.4340



15.6000, 0.2421, 0.2032

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.



39.9244, 0.3052, 0.2529



39.9244, 0.3677, 0.4340



39.9244, 0.2196, 0.2437

Square

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



39.9244, 0.3677, 0.4340



39.9244, 0.2219, 0.3208



39.9244, 0.2531, 0.2384



39.9244, 0.4118, 0.3250

Rectangle

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



39.9244, 0.3677, 0.4340



39.9244, 0.2748, 0.3981



39.9244, 0.2531, 0.2384



39.9244, 0.3451, 0.2719

Sweetspot

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



39.9262, 0.3677, 0.4340



74.8334, 0.3301, 0.3613



20.6108, 0.4157, 0.3385



16.5674, 0.3330, 0.3667



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



39.9262, 0.3677, 0.4340



70.6550, 0.3785, 0.4560



36.4972, 0.3330, 0.4473



9.2910, 0.3249, 0.3515



27.2040, 0.4030, 0.5182



0.7677, 0.4083, 0.5140

Inverse Universe

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



15.6000, 0.2421, 0.2032



21.1094, 0.2228, 0.1703



18.3541, 0.2811, 0.2156



7.7923, 0.3000, 0.3057



2.3123, 0.1538, 0.0621



0.0757, 0.1695, 0.0708

Previews

White Background



This preview shows how the Yxy color 39.9244, 0.3677, 0.4340 looks on a white background.

Color Contrast Check

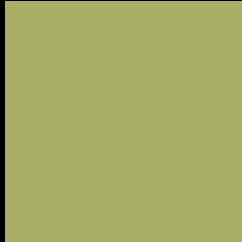
Large Text (above 18pt) WCAG AA × Fail

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 39.9244, 0.3677, 0.4340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

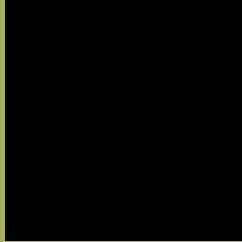
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9244, 0.3677, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 39.9244, 0.3677, 0.4340.



This preview shows how white text looks on a background with the Yxy color 39.9244, 0.3677, 0.4340.

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

39.9244, 0.3677, 0.4340

Protanopia

39.7159, 0.3906, 0.4228

Deuteranopia

39.8193, 0.4098, 0.4020



Tritanopia

39.8742, 0.3117, 0.3115

Trichromacy



Original Color

39.9244, 0.3677, 0.4340

Protanomaly

39.6296, 0.3815, 0.4265

Deuteranomaly

39.8232, 0.3945, 0.4133

Tritanomaly

39.6090, 0.3330, 0.3543

Monochromacy



Original Color

39.9244, 0.3677, 0.4340

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9277, 0.3334, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9244, 0.3677, 0.4340 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(168, 175, 101)` looks like.

```
.text, #text, p{  
    color:rgb(168, 175, 101)  
}
```

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(168, 175, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 175, 101) }
```

Border

The CSS property to change the border of an element to Yxy 39.9244, 0.3677, 0.4340 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(168, 175, 101) }
```

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

```
.border{ border-color:rgb(168, 175, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 175, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 175, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 175, 101);  
box-shadow:4px 4px 4px 4px rgb(168, 175,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9244, 0.3677, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 175, 101) }
```

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

```
.background{ background-color: rgb(168,  
175, 101) }
```

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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