

# Converting Colors

$Yxy(41.9245, 0.3496, 0.3959)$

Have a look what the booklet for  
Yxy(41.9245, 0.3496, 0.3959)  
contains.

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# Color

**Yxy(42.0279, 0.3501, 0.3961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEB181
RGB	174, 177, 129
RGB Percent	68%, 69%, 51%
CMY	0.3175, 0.3059, 0.4940
CMYK	0.02, 0.00, 0.27, 0.31
HSL	64°, 24%, 60%
HSV	64°, 27%, 69%
XYZ	37.1471, 42.0279, 26.9293
YIQ	170.6310, 13.6200, -15.5640

# Conversions

## Conversions Part 2

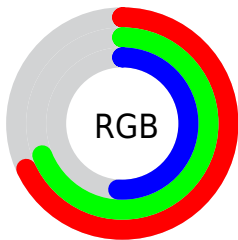
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 177, 132
Decimal	11448705
CIELab	70.89, -8.96, 24.27
CIELCh	71, 25.871, 110.265
Yxy	42.0279, 0.3501, 0.3961
Android (android.graphics.Color)	4289638785 (0xFFAEB181)
YUV	170.6310, -20.5241, 2.9546
Hunter-Lab	64.8289, -11.1698, 20.7518

# Details

The Yxy color **42.0279, 0.3501, 0.3961** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.7831, 0.2693, 0.2532**, and the grayscale version is **40.6337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4782, 0.3435, 0.3840**, and **19.2967, 0.3602, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **41.4743, 0.3636, 0.4208**, and if you desaturate by 10%, it is **42.6678, 0.3362, 0.3709**.

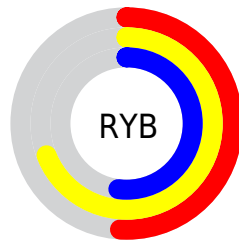
# Distribution



Red (68%)

Green (69%)

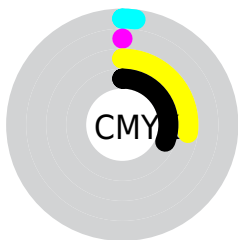
Blue (51%)



Red (51%)

Yellow (69%)

Blue (52%)

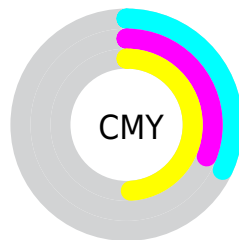


Cyan (2%)

Magenta (0%)

Yellow (27%)

Black (31%)



Cyan (32%)

Magenta (31%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0279, 0.3501, 0.3961 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 42.0279, 0.3501, 0.3961 by changing the saturation by 10% instead.





 42.0279, 0.3501,  
0.3961


 42.0279, 0.3501,  
0.3961


354.5986, 0.3316,  
0.3615


 29.1231, 0.3546,  
0.4050


 78.2418, 0.3435,  
0.3833

 19.1740, 0.3602,  
0.4166


 102.3198, 0.3410,  
0.3786

 11.7961, 0.3673,  
0.4321

 130.8910, 0.3388,  
0.3746

 6.6050, 0.3766,  
0.4540

164.3398, 0.3370,  
0.3712

 3.2163, 0.3888,  
0.4868

203.0505, 0.3354,  
0.3683

 1.2457, 0.4275,  
0.5725

247.4076, 0.3340,

 0.0985, 0.0000,

0.3657

1.0000

297.7955, 0.3327,  
0.3635

0.0000, 0.0000,  
0.0000

42.0279, 0.3501,  
0.3961

42.0279, 0.3501,  
0.3961

41.4743, 0.3636,  
0.4208

42.6678, 0.3362,  
0.3709

40.9971, 0.3761,  
0.4442

43.3924, 0.3223,  
0.3461

40.5937, 0.3871,  
0.4653


44.2070, 0.3089,  
0.3222

40.2590, 0.3960,  
0.4832


45.1152, 0.2960,  
0.2996


39.9873, 0.4026,  
0.4971

46.1201, 0.2840,  
0.2786

 39.7719, 0.4066,  
0.5068

 47.2250, 0.2728,  
0.2592

 39.6033, 0.4083,  
0.5124

 48.4328, 0.2626,  
0.2415

 39.5578, 0.4086,  
0.5137

 48.6994, 0.2621,  
0.2397

 48.8334, 0.2628,  
0.2399

# Harmonies

## Analogous

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



42.0279, 0.3776, 0.3837



42.0279, 0.3501, 0.3961



42.0279, 0.3135, 0.3886

# Triad

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



42.0279, 0.3501, 0.3961



42.0279, 0.2432, 0.2930



42.0279, 0.3462, 0.2989

# Complementary

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



42.0279, 0.3501, 0.3961



23.7831, 0.2693, 0.2532

# 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.



42.0279, 0.3083, 0.2777



42.0279, 0.3501, 0.3961



42.0279, 0.2505, 0.2730

# Square

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



42.0279, 0.3501, 0.3961



42.0279, 0.2529, 0.3254



42.0279, 0.2736, 0.2682



42.0279, 0.3759, 0.3276



# Rectangle

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



42.0279, 0.3501, 0.3961



42.0279, 0.2892, 0.3723



42.0279, 0.2736, 0.2682



42.0279, 0.3339, 0.2908

# Sweetspot

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



42.0298, 0.3501, 0.3961



77.5803, 0.3238, 0.3486



27.2768, 0.3692, 0.3327



16.7696, 0.3258, 0.3523



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.



42.0298, 0.3501, 0.3961



74.6218, 0.3589, 0.4122



39.5687, 0.3282, 0.4011



9.8795, 0.3254, 0.3516



28.6734, 0.4088, 0.5136



0.9102, 0.4119, 0.5112



# Inverse Universe

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



23.7831, 0.2693, 0.2532



36.0317, 0.2570, 0.2320



25.8882, 0.2929, 0.2581



8.2543, 0.2994, 0.3055



2.3607, 0.1524, 0.0613



0.0825, 0.1622, 0.0667



# Previews

## White Background



This preview shows how the Yxy color 42.0279, 0.3501, 0.3961 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 42.0279, 0.3501, 0.3961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

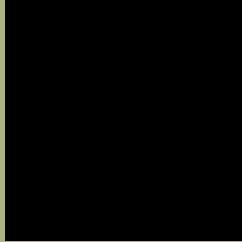
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

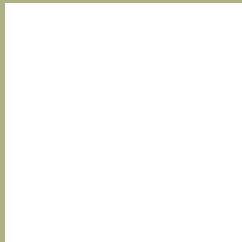
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.0279, 0.3501, 0.3961**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0279, 0.3501, 0.3961.



This preview shows how white text looks on a background with the Yxy color 42.0279, 0.3501, 0.3961.

# 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

42.0279, 0.3501, 0.3961

### Protanopia

41.8585, 0.3648, 0.3913

### Deuteranopia

41.7485, 0.3818, 0.3739



## Tritanopia

41.9921, 0.3117, 0.3118

# Trichromacy



## Original Color

42.0279, 0.3501, 0.3961

## Protanomaly

41.7757, 0.3596, 0.3920

## Deuteranomaly

41.6986, 0.3702, 0.3821

## Tritanomaly

41.9965, 0.3257, 0.3427

# Monochromacy



## Original Color

42.0279, 0.3501, 0.3961

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.0581, 0.3261, 0.3528

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  42.0279, 0.3501, 0.3961 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(174, 177, 129)` looks like.

```
.text, #text, p{  
    color:rgb(174, 177, 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(174, 177, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 177, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0279, 0.3501, 0.3961 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(174, 177, 129) }
```

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

```
.border{ border-color:rgb(174, 177, 129) }
```

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

Here you see how a box with a 4 pixel rgb(174, 177, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 177, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 177, 129);  
box-shadow:4px 4px 4px 4px rgb(174, 177,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0279, 0.3501, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 177, 129) }
```

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

```
.background{ background-color: rgb(174,  
177, 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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