

# Converting Colors

$Yxy(41.7851, 0.3513, 0.4307)$

Have a look what the booklet for  
Yxy(41.7851, 0.3513, 0.4307)  
contains.

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# Color

**Yxy(41.7506, 0.3516, 0.4313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1B56E
RGB	161, 181, 110
RGB Percent	63%, 71%, 43%
CMY	0.3686, 0.2902, 0.5686
CMYK	0.11, 0.00, 0.39, 0.29
HSL	77°, 32%, 57%
HSV	77°, 39%, 71%
XYZ	34.0355, 41.7506, 21.0157
YIQ	166.9260, 10.8710, -26.3210

# Conversions

## Conversions Part 2

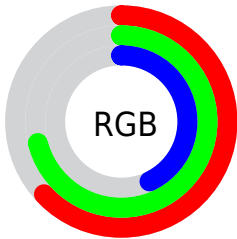
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 181, 130
Decimal	10597742
CIELab	70.70, -18.64, 33.90
CIElCh	71, 38.686, 118.807
Yxy	41.7506, 0.3516, 0.4313
Android (android.graphics.Color)	4288787822 (0xFFA1B56E)
YUV	166.9260, -28.0645, -5.1971
Hunter-Lab	64.6147, -19.0517, 25.9465

# Details

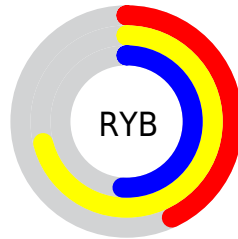
The Yxy color **41.7506, 0.3516, 0.4313** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.2345, 0.2611, 0.2172**, and the grayscale version is **38.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9644, 0.3453, 0.4109**, and **18.9634, 0.3596, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **40.8784, 0.3599, 0.4577**, and if you desaturate by 10%, it is **42.7286, 0.3422, 0.4042**.

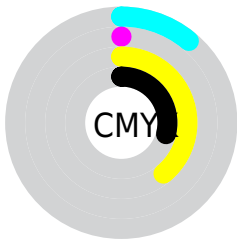
# Distribution



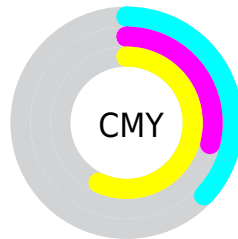
- Red (63%)
- Green (71%)
- Blue (43%)



- Red (43%)
- Yellow (71%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (29%)



- Cyan (37%)
- Magenta (29%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7506, 0.3516, 0.4313 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 41.7506, 0.3516, 0.4313 by changing the saturation by 10% instead.





 41.7506, 0.3516,  
0.4313

 41.7506, 0.3516,  
0.4313

353.4480, 0.3334,  
0.3778


 28.9061, 0.3555,  
0.4452


 77.8220, 0.3454,  
0.4114


 19.0098, 0.3600,  
0.4631


 101.8177, 0.3429,  
0.4041

 11.6773, 0.3650,  
0.4872


 130.2992, 0.3408,  
0.3979

 6.5244, 0.3696,  
0.5204

 163.6509, 0.3389,  
0.3927

 3.1665, 0.3856,  
0.5910

202.2573, 0.3373,  
0.3882

 1.2193, 0.3549,  
0.6451

246.5027, 0.3358,

 0.0773, 0.0000,

0.3843

1.0000

296.7714, 0.3345,  
0.3809

■ 0.0000, 0.0000,  
0.0000

■ 41.7506, 0.3516,  
0.4313

■ 41.7506, 0.3516,  
0.4313

■ 40.8784, 0.3599,  
0.4577

■ 42.7286, 0.3422,  
0.4042

■ 40.1014, 0.3665,  
0.4822

■ 43.8117, 0.3322,  
0.3774

■ 39.4156, 0.3711,  
0.5039


■ 45.0062, 0.3220,  
0.3516


■ 38.8145, 0.3733,  
0.5215

■ 46.3161, 0.3119,  
0.3272

■ 38.2906, 0.3730,  
0.5346

■ 47.7455, 0.3022,  
0.3045


 37.8300, 0.3706,  
0.5434

 49.2979, 0.2929,  
0.2837

 37.7958, 0.3704,  
0.5441

 50.9771, 0.2842,  
0.2648

 52.7863, 0.2761,  
0.2476

 53.5214, 0.2796,  
0.2483

# Harmonies

## Analogous

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



41.7506, 0.3986, 0.4167



41.7506, 0.3516, 0.4313



41.7506, 0.2966, 0.4121

# Triad

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



41.7506, 0.3516, 0.4313



41.7506, 0.2126, 0.2639



41.7506, 0.3775, 0.2955

# Complementary

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



41.7506, 0.3516, 0.4313



19.2345, 0.2611, 0.2172

# 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.



41.7506, 0.3214, 0.2622



41.7506, 0.3516, 0.4313



41.7506, 0.2294, 0.2430

# Square

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



41.7506, 0.3516, 0.4313



41.7506, 0.2189, 0.3064



41.7506, 0.2676, 0.2433



41.7506, 0.4162, 0.3374



# Rectangle

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



41.7506, 0.3516, 0.4313



41.7506, 0.2629, 0.3814



41.7506, 0.2676, 0.2433



41.7506, 0.3597, 0.2831

# Sweetspot

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



41.7525, 0.3516, 0.4313



79.9427, 0.3251, 0.3591



26.6333, 0.3979, 0.3567



17.2188, 0.3264, 0.3624



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



41.7525, 0.3516, 0.4313



73.4225, 0.3588, 0.4539



38.6547, 0.3206, 0.4422



9.7839, 0.3221, 0.3518



26.0901, 0.3710, 0.5436



0.8485, 0.3851, 0.5324



# Inverse Universe

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



19.2345, 0.2611, 0.2172



27.4844, 0.2468, 0.1896



22.4271, 0.2984, 0.2283



8.3422, 0.3027, 0.3058



2.8160, 0.1692, 0.0706



0.1187, 0.2012, 0.0882



# Previews

## White Background



This preview shows how the Yxy color 41.7506, 0.3516, 0.4313 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 41.7506, 0.3516, 0.4313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

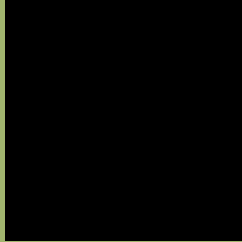
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7506, 0.3516, 0.4313**

## Background



This preview shows how black text looks on a background with the Yxy color 41.7506, 0.3516, 0.4313.



This preview shows how white text looks on a background with the Yxy color 41.7506, 0.3516, 0.4313.

# 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

41.7506, 0.3516, 0.4313

### Protanopia

41.6400, 0.3837, 0.4168

### Deuteranopia

41.3906, 0.4010, 0.3931



## Tritanopia

41.7081, 0.3005, 0.3101

# Trichromacy



**Original Color**

41.7506, 0.3516, 0.4313

**Protanomaly**

41.5984, 0.3716, 0.4224

**Deuteranomaly**

41.2652, 0.3817, 0.4062

**Tritanomaly**

41.3441, 0.3196, 0.3530

# Monochromacy



**Original Color**

41.7506, 0.3516, 0.4313

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

39.5797, 0.3283, 0.3665

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7506, 0.3516, 0.4313 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(161, 181, 110)` looks like.

```
.text, #text, p{  
    color:rgb(161, 181, 110)  
}
```

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(161, 181, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 181, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7506, 0.3516, 0.4313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

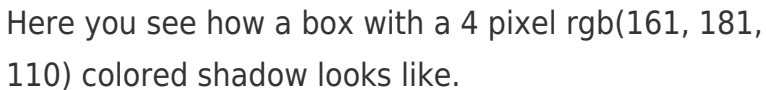
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 181, 110) }
```

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

```
.border{ border-color:rgb(161, 181, 110) }
```

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



Here you see how a box with a 4 pixel rgb(161, 181, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 181, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 181, 110);  
box-shadow:4px 4px 4px 4px rgb(161, 181,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7506, 0.3516, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 181, 110) }
```

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

```
.background{ background-color: rgb(161,  
181, 110) }
```

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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