

# Converting Colors

$Yxy(41.2714, 0.3336, 0.3912)$

Have a look what the booklet for  
Yxy(41.2714, 0.3336, 0.3912)  
contains.

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# Color

**Yxy(41.2714, 0.3336, 0.3912)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2B287
RGB	162, 178, 135
RGB Percent	64%, 70%, 53%
CMY	0.3647, 0.3019, 0.4706
CMYK	0.09, 0.00, 0.24, 0.30
HSL	82°, 22%, 61%
HSV	82°, 24%, 70%
XYZ	35.1946, 41.2714, 29.0335
YIQ	168.3140, 4.2670, -16.7650

# Conversions

## Conversions Part 2

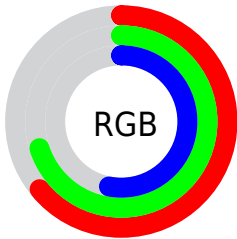
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 178, 151
Decimal	10662535
CIELab	70.37, -13.22, 20.18
CIElCh	70, 24.123, 123.233
Yxy	41.2714, 0.3336, 0.3912
Android (android.graphics.Color)	4288852615 (0xFFA2B287)
YUV	168.3140, -16.4238, -5.5374
Hunter-Lab	64.2428, -14.6359, 18.1749

# Details

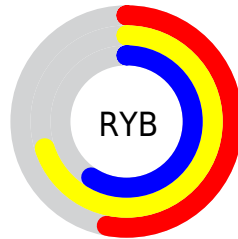
The Yxy color  $41.2714, 0.3336, 0.3912$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $27.1227, 0.2878, 0.2649$ , and the grayscale version is  $39.4022, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.2282, 0.3301, 0.3799$ , and  $18.6381, 0.3391, 0.4103$  is the 20% darker color. If you saturate the color by 10%, you get  $40.1376, 0.3417, 0.4190$ , and if you desaturate by 10%, it is  $42.5292, 0.3250, 0.3643$ .

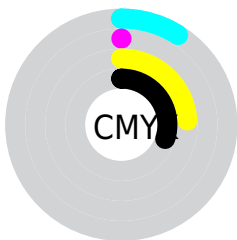
# Distribution



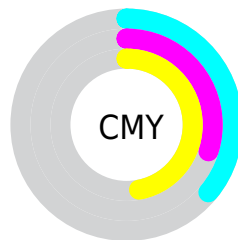
- Red (64%)
- Green (70%)
- Blue (53%)



- Red (53%)
- Yellow (70%)
- Blue (59%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (30%)




- Cyan (36%)
- Magenta (30%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2714, 0.3336, 0.3912 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 41.2714, 0.3336, 0.3912 by changing the saturation by 10% instead.



 41.2714, 0.3336,  
0.3912

 41.2714, 0.3336,  
0.3912


351.4536, 0.3234,  
0.3587

 28.5312, 0.3360,  
0.3998


 77.0957, 0.3300,  
0.3791

 18.7265, 0.3389,  
0.4110


 100.9486, 0.3286,  
0.3746

 11.4728, 0.3426,  
0.4264


 129.2746, 0.3274,  
0.3709

 6.3858, 0.3473,  
0.4486

162.4580, 0.3264,  
0.3677

 3.0811, 0.3526,  
0.4832

200.8832, 0.3255,  
0.3650

 1.1742, 0.3954,  
0.6046

244.9346, 0.3248,

 0.0405, 0.0000,

0.3626

1.0000

294.9966, 0.3241,  
0.3605

0.0000, 0.0000,  
0.0000

41.2714, 0.3336,  
0.3912

41.2714, 0.3336,  
0.3912

40.1376, 0.3417,  
0.4190

42.5292, 0.3250,  
0.3643

39.1175, 0.3490,  
0.4470

43.9100, 0.3163,  
0.3390

38.2081, 0.3550,  
0.4741

45.4198, 0.3077,  
0.3155

37.4036, 0.3592,  
0.4991

47.0624, 0.2995,  
0.2940

36.6979, 0.3611,  
0.5207

48.8417, 0.2917,  
0.2744

■ 36.0841, 0.3607,  
0.5379

■ 50.7613, 0.2844,  
0.2568

■ 35.5537, 0.3579,  
0.5501

■ 52.5244, 0.2805,  
0.2452

■ 35.2722, 0.3557,  
0.5558

■ 53.5067, 0.2855,  
0.2464

■ 54.5296, 0.2904,  
0.2476

# Harmonies

## Analogous

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



41.2714, 0.3642, 0.3874



41.2714, 0.3336, 0.3912



41.2714, 0.2986, 0.3756

# Triad

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



41.2714, 0.3336, 0.3912



41.2714, 0.2483, 0.2855



41.2714, 0.3578, 0.3119

# Complementary

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



41.2714, 0.3336, 0.3912



27.1227, 0.2878, 0.2649

# 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.



41.2714, 0.3242, 0.2882



41.2714, 0.3336, 0.3912



41.2714, 0.2620, 0.2726

# Square

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



41.2714, 0.3336, 0.3912



41.2714, 0.2506, 0.3116



41.2714, 0.2892, 0.2740



41.2714, 0.3791, 0.3404



# Rectangle

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



41.2714, 0.3336, 0.3912



41.2714, 0.2774, 0.3564



41.2714, 0.2892, 0.2740



41.2714, 0.3474, 0.3032

# Sweetspot

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



41.2732, 0.3336, 0.3912



78.8591, 0.3189, 0.3463



33.2738, 0.3569, 0.3517



17.4381, 0.3194, 0.3478



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.



41.2732, 0.3336, 0.3912



73.7165, 0.3380, 0.4060



39.2309, 0.3145, 0.3950



9.7455, 0.3208, 0.3519



25.2735, 0.3564, 0.5552



0.8271, 0.3743, 0.5410



# Inverse Universe

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



27.1227, 0.2878, 0.2649



43.5715, 0.2811, 0.2491



29.3445, 0.3095, 0.2689



8.3790, 0.3041, 0.3059



3.1675, 0.1815, 0.0773



0.1336, 0.2154, 0.0960



# Previews

## White Background



This preview shows how the Yxy color 41.2714, 0.3336, 0.3912 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 41.2714, 0.3336, 0.3912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

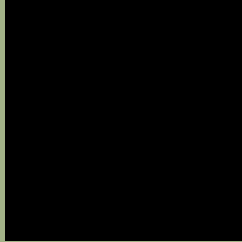
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2714, 0.3336, 0.3912**

## Background



This preview shows how black text looks on a background with the Yxy color 41.2714, 0.3336, 0.3912.



This preview shows how white text looks on a background with the Yxy color 41.2714, 0.3336, 0.3912.

# 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

41.2714, 0.3336, 0.3912

### Protanopia

41.2383, 0.3578, 0.3838

### Deuteranopia

41.0246, 0.3716, 0.3642



## Tritanopia

41.0636, 0.2995, 0.3100

# Trichromacy



**Original Color**

41.2714, 0.3336, 0.3912

**Protanomaly**

41.0795, 0.3485, 0.3865

**Deuteranomaly**

40.9947, 0.3569, 0.3739

**Tritanomaly**

41.1691, 0.3114, 0.3388

# Monochromacy



**Original Color**

41.2714, 0.3336, 0.3912

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.0123, 0.3207, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2714, 0.3336, 0.3912 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(162, 178, 135)` looks like.

```
.text, #text, p{  
    color:rgb(162, 178, 135)  
}
```

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(162, 178, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 178, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2714, 0.3336, 0.3912 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(162, 178, 135) }
```

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

```
.border{ border-color:rgb(162, 178, 135) }
```

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

Here you see how a box with a 4 pixel rgb(162, 178, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 178, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 178, 135);  
box-shadow:4px 4px 4px 4px rgb(162, 178,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2714, 0.3336, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 178, 135) }
```

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

```
.background{ background-color: rgb(162,  
178, 135) }
```

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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