

# Converting Colors

$Yxy(41.5289, 0.3373, 0.4268)$

Have a look what the booklet for  
Yxy(41.5289, 0.3373, 0.4268)  
contains.

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# Color

**Yxy(41.2962, 0.3375, 0.4270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	97B674
RGB	151, 182, 116
RGB Percent	59%, 71%, 45%
CMY	0.4079, 0.2862, 0.5451
CMYK	0.17, 0.00, 0.36, 0.29
HSL	88°, 31%, 58%
HSV	88°, 36%, 71%
XYZ	32.6404, 41.2962, 22.7758
YIQ	165.2070, 2.7100, -27.0980

# Conversions

## Conversions Part 2

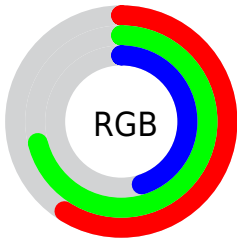
Format	Color
<b>R<sub>YB</sub></b>	116, 182, 147
Decimal	9942644
CIE <sub>Lab</sub>	70.38, -22.20, 30.21
CIE <sub>LCh</sub>	70, 37.492, 126.307
Yxy	41.2962, 0.3375, 0.4270
Android (android.graphics.Color)	4288132724 (0xFF97B674)
YUV	165.2070, -24.2591, -12.4595
Hunter-Lab	64.2621, -21.7938, 23.9699

# Details

The Yxy color **41.2962, 0.3375, 0.4270** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **22.0771, 0.2787, 0.2302**, and the grayscale version is **37.8486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1355, 0.3336, 0.4072**, and **18.7584, 0.3420, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **40.1260, 0.3429, 0.4563**, and if you desaturate by 10%, it is **42.6125, 0.3312, 0.3981**.

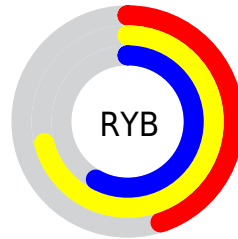
# Distribution



Red (59%)

Green (71%)

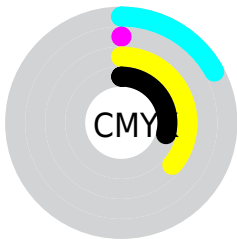
Blue (45%)



Red (45%)

Yellow (71%)

Blue (58%)

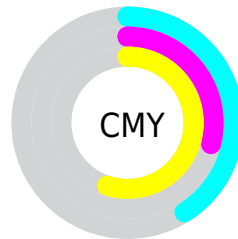


Cyan (17%)

Magenta (0%)

Yellow (36%)

Black (29%)



Cyan (41%)

Magenta (29%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2962, 0.3375, 0.4270 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 41.2962, 0.3375, 0.4270 by changing the saturation by 10% instead.





 41.2962, 0.3375,  
0.4270

 41.2962, 0.3375,  
0.4270


351.5571, 0.3263,  
0.3752

 28.5506, 0.3397,  
0.4407


 77.1333, 0.3338,  
0.4076

 18.7411, 0.3422,  
0.4587


 100.9937, 0.3323,  
0.4005

 11.4834, 0.3446,  
0.4832


 129.3277, 0.3310,  
0.3945

 6.3929, 0.3460,  
0.5181

162.5198, 0.3298,  
0.3895

 3.0855, 0.3510,  
0.5838

200.9544, 0.3288,  
0.3852

 1.1765, 0.3188,  
0.6812

245.0159, 0.3279,

 0.0424, 0.0000,

0.3814

1.0000

295.0886, 0.3270,  
0.3781

0.0000, 0.0000,  
0.0000

41.2962, 0.3375,  
0.4270

41.2962, 0.3375,  
0.4270

40.1260, 0.3429,  
0.4563

42.6125, 0.3312,  
0.3981

39.0902, 0.3469,  
0.4847

44.0750, 0.3243,  
0.3703

38.1841, 0.3490,  
0.5109


45.6910, 0.3172,  
0.3443

37.4002, 0.3491,  
0.5335

47.4655, 0.3101,  
0.3203

36.7301, 0.3469,  
0.5512


49.4032, 0.3032,  
0.2985


 36.1632, 0.3426,  
0.5636

 51.5087, 0.2966,  
0.2788

 35.9702, 0.3408,  
0.5676

 53.7863, 0.2904,  
0.2612

 55.8069, 0.2889,  
0.2515

 57.1719, 0.2954,  
0.2529

# Harmonies

## Analogous

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



41.2962, 0.3865, 0.4205



41.2962, 0.3375, 0.4270



41.2962, 0.2842, 0.3997

# Triad

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



41.2962, 0.3375, 0.4270



41.2962, 0.2171, 0.2585



41.2962, 0.3874, 0.3062

# Complementary

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



41.2962, 0.3375, 0.4270



22.0771, 0.2787, 0.2302

# 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.



41.2962, 0.3354, 0.2708



41.2962, 0.3375, 0.4270



41.2962, 0.2390, 0.2433

# Square

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



41.2962, 0.3375, 0.4270



41.2962, 0.2176, 0.2951



41.2962, 0.2809, 0.2484



41.2962, 0.4182, 0.3482



# Rectangle

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



41.2962, 0.3375, 0.4270



41.2962, 0.2535, 0.3665



41.2962, 0.2809, 0.2484



41.2962, 0.3715, 0.2933

# Sweetspot

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



41.2980, 0.3375, 0.4270



81.3508, 0.3207, 0.3568



32.0153, 0.3827, 0.3730



17.8811, 0.3216, 0.3604



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



41.2980, 0.3375, 0.4270



73.0466, 0.3421, 0.4519



38.5868, 0.3094, 0.4360



10.2880, 0.3194, 0.3521



25.4390, 0.3416, 0.5669



0.9333, 0.3611, 0.5514



# Inverse Universe

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



22.0771, 0.2787, 0.2302



32.7727, 0.2683, 0.2048



25.5509, 0.3144, 0.2400



8.9209, 0.3056, 0.3059



3.8066, 0.1979, 0.0864



0.1711, 0.2276, 0.1028



# Previews

## White Background



This preview shows how the Yxy color 41.2962, 0.3375, 0.4270 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 41.2962, 0.3375, 0.4270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

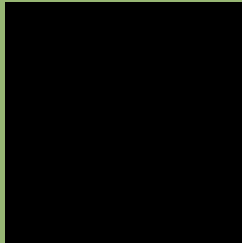
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2962, 0.3375, 0.4270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2962, 0.3375, 0.4270.



This preview shows how white text looks on a background with the Yxy color 41.2962, 0.3375, 0.4270.

# 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

41.2962, 0.3375, 0.4270

### Protanopia

41.2397, 0.3791, 0.4096

### Deuteranopia

40.8861, 0.3941, 0.3850



## Tritanopia

41.0521, 0.2913, 0.3097

# Trichromacy



## Original Color

41.2962, 0.3375, 0.4270

## Protanomaly

41.2416, 0.3636, 0.4170

## Deuteranomaly

40.7720, 0.3716, 0.3997

## Tritanomaly

40.7920, 0.3082, 0.3506

# Monochromacy



## Original Color

41.2962, 0.3375, 0.4270

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

38.7060, 0.3229, 0.3641

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2962, 0.3375, 0.4270 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(151, 182, 116)` looks like.

```
.text, #text, p{  
    color:rgb(151, 182, 116)  
}
```

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(151, 182, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 182, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2962, 0.3375, 0.4270 is called "border". The border property can be set on classes, ids or directly on the HTML element.

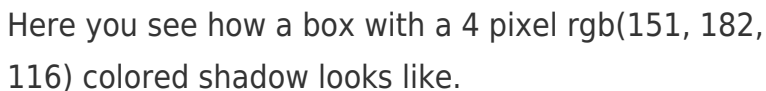
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 182, 116) }
```

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

```
.border{ border-color:rgb(151, 182, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 182, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 182, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 182, 116);  
box-shadow:4px 4px 4px 4px rgb(151, 182,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2962, 0.3375, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 182, 116) }
```

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

```
.background{ background-color: rgb(151,  
182, 116) }
```

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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