

# Converting Colors

$Y_{xy}(41.1080, 0.3241, 0.4030)$

Have a look what the booklet for  
Yxy(41.1080, 0.3241, 0.4030)  
contains.

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# Color

**Yxy(41.0760, 0.3245, 0.4037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95B583
RGB	149, 181, 131
RGB Percent	58%, 71%, 51%
CMY	0.4156, 0.2902, 0.4863
CMYK	0.18, 0.00, 0.28, 0.29
HSL	98°, 25%, 61%
HSV	98°, 28%, 71%
XYZ	33.0175, 41.0760, 27.6553
YIQ	165.7320, -3.0220, -22.3340

# Conversions

## Conversions Part 2

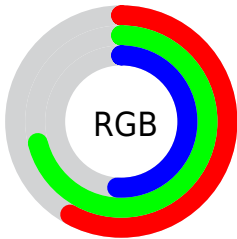
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 181, 163
Decimal	9811331
CIELab	70.23, -20.19, 22.01
CIElCh	70, 29.871, 132.533
Yxy	41.0760, 0.3245, 0.4037
Android (android.graphics.Color)	4288001411 (0xFF95B583)
YUV	165.7320, -17.1229, -14.6740
Hunter-Lab	64.0906, -20.2008, 19.2795

# Details

The Yxy color **41.0760, 0.3245, 0.4037** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.3473, 0.2970, 0.2574**, and the grayscale version is **38.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8664, 0.3232, 0.3892**, and **18.5738, 0.3262, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **39.5940, 0.3279, 0.4344**, and if you desaturate by 10%, it is **42.7554, 0.3205, 0.3746**.

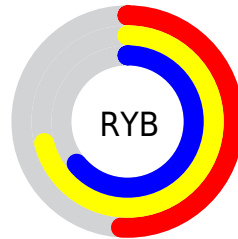
# Distribution



Red (58%)

Green (71%)

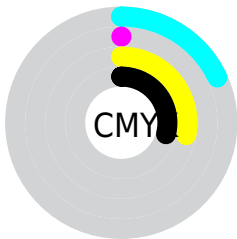
Blue (51%)



Red (51%)

Yellow (71%)

Blue (64%)

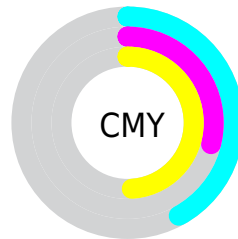


Cyan (18%)

Magenta (0%)

Yellow (28%)

Black (29%)



Cyan (42%)

Magenta (29%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0760, 0.3245, 0.4037 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 41.0760, 0.3245, 0.4037 by changing the saturation by 10% instead.





 41.0760, 0.3245,  
0.4037


 41.0760, 0.3245,  
0.4037


350.6382, 0.3193,  
0.3642


 28.3785, 0.3255,  
0.4142


 76.7993, 0.3228,  
0.3888

 18.6112, 0.3266,  
0.4282


 100.5938, 0.3221,  
0.3834

 11.3896, 0.3276,  
0.4474


 128.8561, 0.3215,  
0.3789

 6.3296, 0.3280,  
0.4756

161.9705, 0.3210,  
0.3751

 3.0465, 0.3263,  
0.5201

200.3216, 0.3205,  
0.3718

 1.1561, 0.3354,  
0.6646

244.2936, 0.3200,

 0.0254, 0.0000,

0.3689

1.0000

294.2710, 0.3197,  
0.3664

■ 0.0000, 0.0000,  
0.0000

■ 41.0760, 0.3245,  
0.4037

■ 41.0760, 0.3245,  
0.4037

■ 39.5940, 0.3279,  
0.4344

■ 42.7554, 0.3205,  
0.3746

■ 38.2965, 0.3305,  
0.4659

■ 44.6341, 0.3161,  
0.3478

■ 37.1772, 0.3318,  
0.4968

■ 46.7206, 0.3117,  
0.3235

■ 36.2272, 0.3316,  
0.5253


■ 49.0213, 0.3072,  
0.3016

■ 35.4367, 0.3296,  
0.5498


■ 51.5424, 0.3030,  
0.2822

 34.7949, 0.3260,  
0.5687


 54.2897, 0.2989,  
0.2650

 34.2868, 0.3211,  
0.5815

 57.0948, 0.2969,  
0.2522

 34.1811, 0.3200,  
0.5841

 59.0736, 0.3057,  
0.2542

 61.1819, 0.3147,  
0.2562

# Harmonies

## Analogous

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



41.0760, 0.3654, 0.4053



41.0760, 0.3245, 0.4037



41.0760, 0.2822, 0.3771

# Triad

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



41.0760, 0.3245, 0.4037



41.0760, 0.2371, 0.2684



41.0760, 0.3791, 0.3180

# Complementary

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



41.0760, 0.3245, 0.4037



27.3473, 0.2970, 0.2574

# 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.



41.0760, 0.3405, 0.2870



41.0760, 0.3245, 0.4037



41.0760, 0.2590, 0.2588

# Square

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



41.0760, 0.3245, 0.4037



41.0760, 0.2337, 0.2953



41.0760, 0.2961, 0.2658



41.0760, 0.3988, 0.3531



# Rectangle

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



41.0760, 0.3245, 0.4037



41.0760, 0.2588, 0.3500



41.0760, 0.2961, 0.2658



41.0760, 0.3678, 0.3069

# Sweetspot

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



41.0778, 0.3245, 0.4037



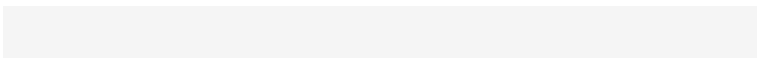
79.7618, 0.3163, 0.3491



37.5362, 0.3600, 0.3734



17.1265, 0.3170, 0.3530



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

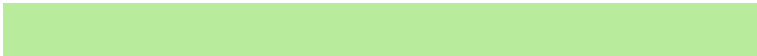


# Same Dimension

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



41.0778, 0.3245, 0.4037



71.9559, 0.3266, 0.4217



39.6967, 0.3041, 0.3965



9.6343, 0.3169, 0.3522



23.5999, 0.3208, 0.5835



0.7762, 0.3445, 0.5647



# Inverse Universe

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



27.3473, 0.2970, 0.2574



43.3694, 0.2927, 0.2410



29.1214, 0.3227, 0.2697



8.4904, 0.3082, 0.3062



4.8863, 0.2332, 0.1058



0.1852, 0.2583, 0.1196



# Previews

## White Background



This preview shows how the Yxy color 41.0760, 0.3245, 0.4037 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 41.0760, 0.3245, 0.4037 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

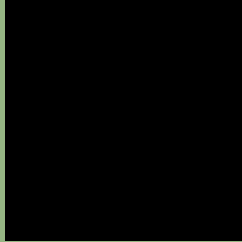
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.0760, 0.3245, 0.4037**

## Background



This preview shows how black text looks on a background with the Yxy color 41.0760, 0.3245, 0.4037.



This preview shows how white text looks on a background with the Yxy color 41.0760, 0.3245, 0.4037.

# 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

41.0760, 0.3245, 0.4037

### Protanopia

40.8485, 0.3636, 0.3892

### Deuteranopia

40.5515, 0.3758, 0.3682



## Tritanopia

41.1291, 0.2888, 0.3109

# Trichromacy



**Original Color**

41.0760, 0.3245, 0.4037

**Protanomaly**

40.8764, 0.3487, 0.3957

**Deuteranomaly**

40.2667, 0.3556, 0.3802

**Tritanomaly**

41.2029, 0.3017, 0.3433

# Monochromacy



**Original Color**

41.0760, 0.3245, 0.4037

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

38.8993, 0.3178, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0760, 0.3245, 0.4037 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(149, 181, 131)` looks like.

```
.text, #text, p{  
    color:rgb(149, 181, 131)  
}
```

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(149, 181, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 181, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0760, 0.3245, 0.4037 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(149, 181, 131) }
```

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

```
.border{ border-color:rgb(149, 181, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 181, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 181, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 181, 131);  
box-shadow:4px 4px 4px 4px rgb(149, 181,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0760, 0.3245, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 181, 131) }
```

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

```
.background{ background-color: rgb(149,  
181, 131) }
```

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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