

# Converting Colors

$Yxy(42.5860, 0.3307, 0.4209)$

Have a look what the booklet for  
Yxy(42.5860, 0.3307, 0.4209)  
contains.

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# Color

**Yxy(42.6120, 0.3307, 0.4206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96B97B
RGB	150, 185, 123
RGB Percent	59%, 73%, 48%
CMY	0.4117, 0.2745, 0.5177
CMYK	0.19, 0.00, 0.34, 0.27
HSL	94°, 31%, 60%
HSV	94°, 34%, 73%
XYZ	33.5040, 42.6120, 25.1964
YIQ	167.4670, -0.9580, -26.7020

# Conversions

## Conversions Part 2

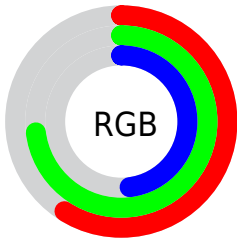
Format	Color
R <sub>Y</sub> B	123, 185, 158
Decimal	9877883
CIE Lab	71.29, -23.05, 27.71
CIE LCh	71, 36.047, 129.754
Yxy	42.6120, 0.3307, 0.4206
Android (android.graphics.Color)	4288067963 (0xFF96B97B)
YUV	167.4670, -21.9222, -15.3186
Hunter-Lab	65.2779, -22.6207, 22.8093

# Details

The Yxy color **42.6120, 0.3307, 0.4206** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.9349, 0.2878, 0.2397**, and the grayscale version is **38.9950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0243, 0.3282, 0.4023**, and **19.5802, 0.3340, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **41.2468, 0.3348, 0.4511**, and if you desaturate by 10%, it is **44.1567, 0.3257, 0.3911**.

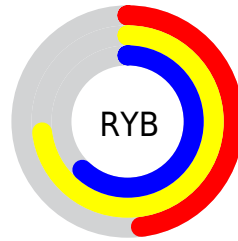
# Distribution



Red (59%)

Green (73%)

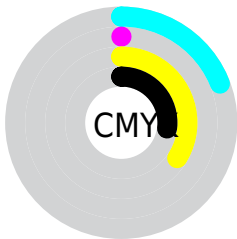
Blue (48%)



Red (48%)

Yellow (73%)

Blue (62%)

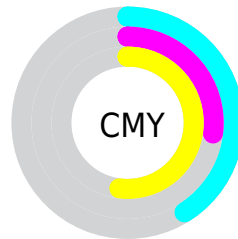


Cyan (19%)

Magenta (0%)

Yellow (34%)

Black (27%)



Cyan (41%)

Magenta (27%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6120, 0.3307, 0.4206 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 42.6120, 0.3307, 0.4206 by changing the saturation by 10% instead.





 42.6120, 0.3307,  
0.4206


 42.6120, 0.3307,  
0.4206


357.0137, 0.3228,  
0.3723

 29.5808, 0.3322,  
0.4334


 79.1250, 0.3282,  
0.4025

 19.5206, 0.3337,  
0.4501


 103.3756, 0.3271,  
0.3959

 12.0471, 0.3351,  
0.4731


 132.1349, 0.3262,  
0.3903

 6.7757, 0.3355,  
0.5060

165.7871, 0.3254,  
0.3856

 3.3222, 0.3344,  
0.5597

204.7167, 0.3246,  
0.3816

 1.3022, 0.3244,  
0.6756

249.3080, 0.3240,

 0.1429, 0.0000,

0.3781

1.0000

299.9456, 0.3234,  
0.3750

0.0000, 0.0000,  
0.0000

42.6120, 0.3307,  
0.4206

42.6120, 0.3307,  
0.4206

41.2468, 0.3348,  
0.4511

44.1567, 0.3257,  
0.3911

40.0483, 0.3378,  
0.4813

45.8820, 0.3203,  
0.3632

39.0105, 0.3391,  
0.5099

47.7963, 0.3147,  
0.3375

38.1248, 0.3386,  
0.5352


49.9055, 0.3091,  
0.3141


37.3816, 0.3361,  
0.5556

52.2154, 0.3036,  
0.2931

 36.7698, 0.3317,  
0.5703

 54.7314, 0.2984,  
0.2743

 36.4309, 0.3283,  
0.5775

 57.4589, 0.2934,  
0.2576

 59.3292, 0.2996,  
0.2569

 61.1434, 0.3075,  
0.2586

# Harmonies

## Analogous

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



42.6120, 0.3786, 0.4183



42.6120, 0.3307, 0.4206



42.6120, 0.2803, 0.3912

# Triad

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



42.6120, 0.3307, 0.4206



42.6120, 0.2226, 0.2591



42.6120, 0.3884, 0.3118

# Complementary

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



42.6120, 0.3307, 0.4206



24.9349, 0.2878, 0.2397

# 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.



42.6120, 0.3406, 0.2768



42.6120, 0.3307, 0.4206



42.6120, 0.2461, 0.2467

# Square

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



42.6120, 0.3307, 0.4206



42.6120, 0.2206, 0.2920



42.6120, 0.2881, 0.2536



42.6120, 0.4146, 0.3524



# Rectangle

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



42.6120, 0.3307, 0.4206



42.6120, 0.2520, 0.3587



42.6120, 0.2881, 0.2536



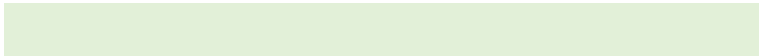
42.6120, 0.3741, 0.2991

# Sweetspot

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



42.6139, 0.3307, 0.4206



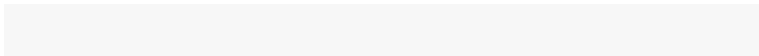
83.2849, 0.3184, 0.3543



35.8917, 0.3740, 0.3765



17.8539, 0.3192, 0.3580



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.



42.6139, 0.3307, 0.4206



74.5415, 0.3338, 0.4423



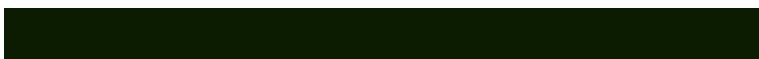
40.4177, 0.3059, 0.4222



10.2464, 0.3180, 0.3522



24.8476, 0.3292, 0.5768



0.9127, 0.3505, 0.5599



# Inverse Universe

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



24.9349, 0.2878, 0.2397



38.1597, 0.2809, 0.2192



27.8528, 0.3198, 0.2507



8.9627, 0.3070, 0.3060



4.4481, 0.2166, 0.0967



0.1927, 0.2433, 0.1114



# Previews

## White Background



This preview shows how the Yxy color 42.6120, 0.3307, 0.4206 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 42.6120, 0.3307, 0.4206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

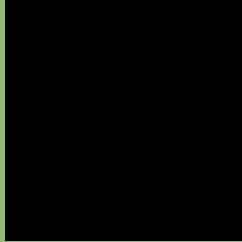
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.6120, 0.3307, 0.4206**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.6120, 0.3307, 0.4206.



This preview shows how white text looks on a background with the Yxy color 42.6120, 0.3307, 0.4206.

# 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

42.6120, 0.3307, 0.4206

### Protanopia

42.2715, 0.3740, 0.4039

### Deuteranopia

42.2916, 0.3870, 0.3798



## Tritanopia

42.6795, 0.2877, 0.3098

# Trichromacy



**Original Color**

42.6120, 0.3307, 0.4206

**Protanomaly**

42.1955, 0.3572, 0.4099

**Deuteranomaly**

42.2176, 0.3652, 0.3938

**Tritanomaly**

42.4636, 0.3033, 0.3489

# Monochromacy



**Original Color**

42.6120, 0.3307, 0.4206

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

40.0835, 0.3201, 0.3622

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  42.6120, 0.3307, 0.4206 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(150, 185, 123)` looks like.

```
.text, #text, p{  
    color:rgb(150, 185, 123)  
}
```

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(150, 185, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 185, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 42.6120, 0.3307, 0.4206 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(150, 185, 123) }
```

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

```
.border{ border-color:rgb(150, 185, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 185, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 185, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 185, 123);  
box-shadow:4px 4px 4px 4px rgb(150, 185,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.6120, 0.3307, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 185, 123) }
```

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

```
.background{ background-color: rgb(150,  
185, 123) }
```

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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