

# Converting Colors

$Yxy(44.3412, 0.3156, 0.4040)$

Have a look what the booklet for  
Yxy(44.3412, 0.3156, 0.4040)  
contains.

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# Color

**Yxy(44.3412, 0.3156, 0.4040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92BD8A
RGB	146, 189, 138
RGB Percent	57%, 74%, 54%
CMY	0.4274, 0.2588, 0.4588
CMYK	0.23, 0.00, 0.27, 0.26
HSL	111°, 28%, 64%
HSV	111°, 27%, 74%
XYZ	34.6388, 44.3412, 30.7754
YIQ	170.3290, -9.2570, -24.9770

# Conversions

## Conversions Part 2

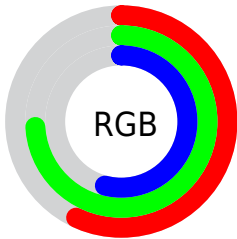
Format	Color
<a href="#">RYB</a>	<a href="#">138, 189, 181</a>
Decimal	<a href="#">9616778</a>
CIELab	<a href="#">72.46, -24.13, 21.26</a>
CIELCh	<a href="#">72, 32.158, 138.623</a>
Yxy	<a href="#">44.3412, 0.3156, 0.4040</a>
Android (android.graphics.Color)	<a href="#">4287806858 (0xFF92BD8A)</a>
YUV	<a href="#">170.3290, -15.9382, -21.3365</a>
Hunter-Lab	<a href="#">66.5892, -23.6777, 19.2105</a>

# Details

The Yxy color  $44.3412, 0.3156, 0.4040$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $31.6736, 0.3078, 0.2611$ , and the grayscale version is  $40.4565, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.5281, 0.3157, 0.3884$ , and  $20.4122, 0.3145, 0.4267$  is the 20% darker color. If you saturate the color by 10%, you get  $42.4825, 0.3161, 0.4366$ , and if you desaturate by 10%, it is  $46.5025, 0.3147, 0.3737$ .

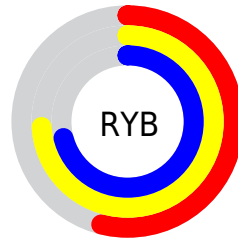
# Distribution



Red (57%)

Green (74%)

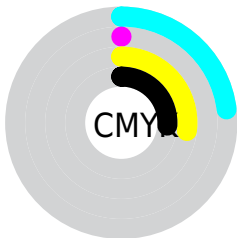
Blue (54%)



Red (54%)

Yellow (74%)

Blue (71%)

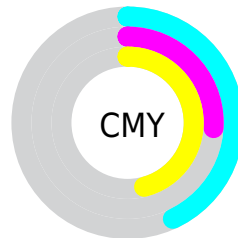


Cyan (23%)

Magenta (0%)

Yellow (27%)

Black (26%)



Cyan (43%)

Magenta (26%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3412, 0.3156, 0.4040 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 44.3412, 0.3156, 0.4040 by changing the saturation by 10% instead.





 44.3412, 0.3156,  
0.4040

 44.3412, 0.3156,  
0.4040


364.0988, 0.3150,  
0.3647


 30.9388, 0.3154,  
0.4144


 81.7309, 0.3156,  
0.3893

 20.5523, 0.3150,  
0.4281

 106.4871, 0.3155,  
0.3839

 12.7971, 0.3140,  
0.4469


 135.7966, 0.3155,  
0.3794

 7.2890, 0.3118,  
0.4742


170.0439, 0.3154,  
0.3755

 3.6435, 0.3065,  
0.5170

209.6134, 0.3153,  
0.3722

 1.4762, 0.3261,  
0.6670

254.8894, 0.3152,

 0.2719, 0.0000,

0.3694

1.0000

306.2564, 0.3151,  
0.3669

0.0000, 0.0000,  
0.0000

44.3412, 0.3156,  
0.4040

44.3412, 0.3156,  
0.4040

42.4825, 0.3161,  
0.4366

46.5025, 0.3147,  
0.3737

40.9074, 0.3160,  
0.4706

48.9732, 0.3136,  
0.3463

39.6034, 0.3152,  
0.5043


51.7669, 0.3123,  
0.3220


38.5550, 0.3136,  
0.5355


54.8948, 0.3109,  
0.3006

37.7450, 0.3113,  
0.5619


58.3674, 0.3095,  
0.2819

 37.1538, 0.3084,  
0.5815

 62.1948, 0.3082,  
0.2656

 36.7576, 0.3053,  
0.5936

 64.8771, 0.3157,  
0.2644

 36.6681, 0.3045,  
0.5964

# Harmonies

## Analogous

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



44.3412, 0.3598, 0.4109



44.3412, 0.3156, 0.4040



44.3412, 0.2725, 0.3714

# Triad

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



44.3412, 0.3156, 0.4040



44.3412, 0.2368, 0.2620



44.3412, 0.3886, 0.3246

# Complementary

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



44.3412, 0.3156, 0.4040



31.6736, 0.3078, 0.2611

# 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.



44.3412, 0.3510, 0.2910



44.3412, 0.3156, 0.4040



44.3412, 0.2633, 0.2558

# Square

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



44.3412, 0.3156, 0.4040



44.3412, 0.2292, 0.2864



44.3412, 0.3044, 0.2664



44.3412, 0.4041, 0.3613



# Rectangle

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



44.3412, 0.3156, 0.4040



44.3412, 0.2500, 0.3416



44.3412, 0.3044, 0.2664



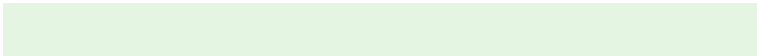
44.3412, 0.3780, 0.3128

# Sweetspot

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



44.3431, 0.3156, 0.4040



87.1733, 0.3137, 0.3493



45.5002, 0.3556, 0.3852



18.5968, 0.3139, 0.3533



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

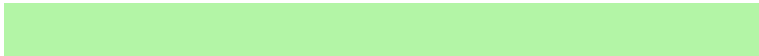


# Same Dimension

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



44.3431, 0.3156, 0.4040



77.5091, 0.3159, 0.4218



44.1665, 0.2970, 0.3792



10.7196, 0.3139, 0.3525



24.6922, 0.3051, 0.5960



0.9902, 0.3189, 0.5850



# Inverse Universe

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



31.6736, 0.3078, 0.2611



51.2623, 0.3064, 0.2469



31.9737, 0.3329, 0.2837



9.6184, 0.3113, 0.3062



7.4820, 0.2820, 0.1327



0.3138, 0.2919, 0.1382



# Previews

## White Background



This preview shows how the Yxy color 44.3412, 0.3156, 0.4040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

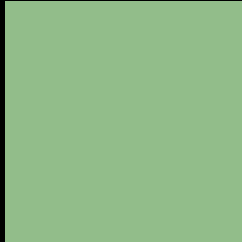
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3412, 0.3156, 0.4040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

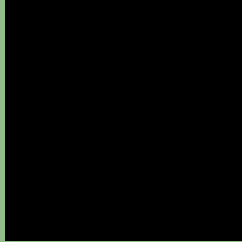
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.3412, 0.3156, 0.4040**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3412, 0.3156, 0.4040.



This preview shows how white text looks on a background with the Yxy color 44.3412, 0.3156, 0.4040.

# 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

44.3412, 0.3156, 0.4040

### Protanopia

44.0849, 0.3619, 0.3874

### Deuteranopia

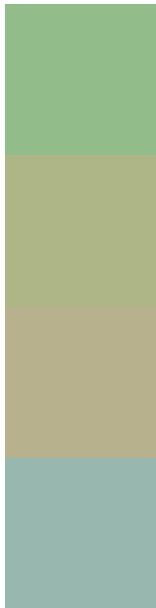
43.8243, 0.3719, 0.3645



## Tritanopia

44.1012, 0.2813, 0.3086

# Trichromacy



**Original Color**

44.3412, 0.3156, 0.4040

**Protanomaly**

43.7957, 0.3440, 0.3928

**Deuteranomaly**

43.5577, 0.3494, 0.3777

**Tritanomaly**

44.0515, 0.2934, 0.3416

# Monochromacy



**Original Color**

44.3412, 0.3156, 0.4040

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.4900, 0.3141, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3412, 0.3156, 0.4040 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(146, 189, 138)` looks like.

```
.text, #text, p{  
    color:rgb(146, 189, 138)  
}
```

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(146, 189, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 189, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3412, 0.3156, 0.4040 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(146, 189, 138) }
```

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

```
.border{ border-color:rgb(146, 189, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 189, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 189, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 189, 138);  
box-shadow:4px 4px 4px 4px rgb(146, 189,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3412, 0.3156, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 189, 138) }
```

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

```
.background{ background-color: rgb(146,  
189, 138) }
```

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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