

# Converting Colors

$Yxy(43.6477, 0.3178, 0.3869)$

Have a look what the booklet for  
Yxy(43.6477, 0.3178, 0.3869)  
contains.

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# Color

**Yxy(43.6123, 0.3175, 0.3869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AB991
RGB	154, 185, 145
RGB Percent	60%, 73%, 57%
CMY	0.3960, 0.2745, 0.4314
CMYK	0.17, 0.00, 0.22, 0.27
HSL	106°, 22%, 65%
HSV	106°, 22%, 73%
XYZ	35.7894, 43.6123, 33.3207
YIQ	171.1710, -5.6360, -19.0120

# Conversions

## Conversions Part 2

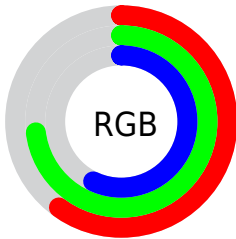
Format	Color
<a href="#">RYB</a>	<a href="#">145, 185, 176</a>
Decimal	<a href="#">10140049</a>
CIELab	<a href="#">71.97, -18.12, 16.89</a>
CIELCh	<a href="#">72, 24.772, 137.004</a>
Yxy	<a href="#">43.6123, 0.3175, 0.3869</a>
Android (android.graphics.Color)	<a href="#">4288330129</a> ( <a href="#">0xFF9AB991</a> )
YUV	<a href="#">171.1710, -12.9023, -15.0590</a>
Hunter-Lab	<a href="#">66.0396, -18.8334, 16.3125</a>

# Details

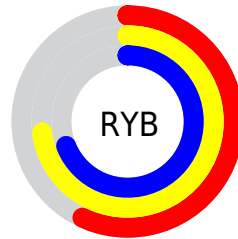
The Yxy color **43.6123, 0.3175, 0.3869** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.9827, 0.3063, 0.2746**, and the grayscale version is **40.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5894, 0.3171, 0.3754**, and **20.1355, 0.3180, 0.4065** is the 20% darker color. If you saturate the color by 10%, you get **41.7658, 0.3192, 0.4178**, and if you desaturate by 10%, it is **45.7233, 0.3154, 0.3585**.

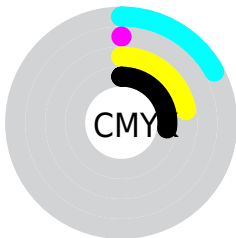
# Distribution



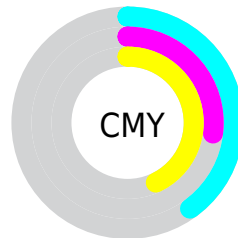
- Red (60%)
- Green (73%)
- Blue (57%)



- Red (57%)
- Yellow (73%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)




- Cyan (40%)
- Magenta (27%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6123, 0.3175, 0.3869 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 43.6123, 0.3175, 0.3869 by changing the saturation by 10% instead.




 43.6123, 0.3175,  
0.3869


 43.6123, 0.3175,  
0.3869


361.1238, 0.3156,  
0.3567

 30.3658, 0.3178,  
0.3948


 80.6340, 0.3169,  
0.3756

 20.1164, 0.3181,  
0.4053


 105.1781, 0.3167,  
0.3715

 12.4797, 0.3182,  
0.4196


134.2568, 0.3164,  
0.3680

 7.0713, 0.3179,  
0.4404

168.2545, 0.3162,  
0.3651

 3.5067, 0.3163,  
0.4732

207.5557, 0.3160,  
0.3625

 1.4016, 0.3294,  
0.5651

252.5447, 0.3159,

 0.2179, 0.0000,

0.3603

1.0000

303.6060, 0.3157,  
0.3584

0.0000, 0.0000,  
0.0000

43.6123, 0.3175,  
0.3869

43.6123, 0.3175,  
0.3869

41.7658, 0.3192,  
0.4178

45.7233, 0.3154,  
0.3585

40.1678, 0.3204,  
0.4505

48.1031, 0.3131,  
0.3329

38.8092, 0.3207,  
0.4837


50.7626, 0.3107,  
0.3101

37.6779, 0.3201,  
0.5157


53.7108, 0.3083,  
0.2900


36.7609, 0.3183,  
0.5444

56.9561, 0.3060,  
0.2724

 36.0438, 0.3154,  
0.5678

 60.4417, 0.3045,  
0.2580

 35.5101, 0.3117,  
0.5842

 63.0492, 0.3154,  
0.2603

 35.1837, 0.3084,  
0.5933

 63.1775, 0.3159,  
0.2604

# Harmonies

## Analogous

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



43.6123, 0.3516, 0.3920



43.6123, 0.3175, 0.3869



43.6123, 0.2834, 0.3632

# Triad

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



43.6123, 0.3175, 0.3869



43.6123, 0.2522, 0.2774



43.6123, 0.3701, 0.3247

# Complementary

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



43.6123, 0.3175, 0.3869



32.9827, 0.3063, 0.2746

# 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.



43.6123, 0.3407, 0.2979



43.6123, 0.3175, 0.3869



43.6123, 0.2727, 0.2711

# Square

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



43.6123, 0.3175, 0.3869



43.6123, 0.2470, 0.2979



43.6123, 0.3047, 0.2787



43.6123, 0.3832, 0.3538



# Rectangle

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



43.6123, 0.3175, 0.3869



43.6123, 0.2651, 0.3410



43.6123, 0.3047, 0.2787



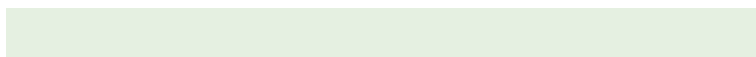
43.6123, 0.3617, 0.3152

# Sweetspot

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



43.6142, 0.3175, 0.3869



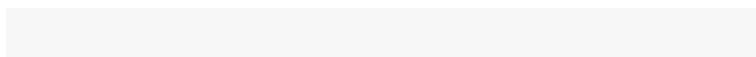
84.1832, 0.3141, 0.3440



43.2788, 0.3472, 0.3703



18.0889, 0.3143, 0.3456



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

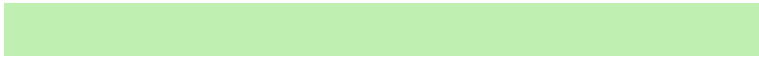


# Same Dimension

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



43.6142, 0.3175, 0.3869



76.4653, 0.3184, 0.4015



43.1068, 0.3020, 0.3720



10.1552, 0.3149, 0.3524



23.9848, 0.3091, 0.5927



0.8737, 0.3278, 0.5779



# Inverse Universe

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



32.9827, 0.3063, 0.2746



53.9791, 0.3045, 0.2620



33.6352, 0.3255, 0.2896



9.0579, 0.3103, 0.3062



6.4123, 0.2651, 0.1234

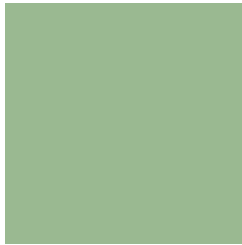


0.2515, 0.2803, 0.1318



# Previews

## White Background



This preview shows how the Yxy color 43.6123, 0.3175, 0.3869 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 43.6123, 0.3175, 0.3869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

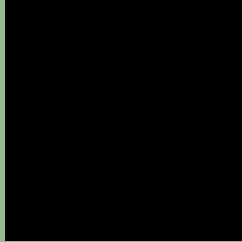
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.6123, 0.3175, 0.3869**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6123, 0.3175, 0.3869.



This preview shows how white text looks on a background with the Yxy color 43.6123, 0.3175, 0.3869.

# 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

43.6123, 0.3175, 0.3869

### Protanopia

43.5386, 0.3525, 0.3759

### Deuteranopia

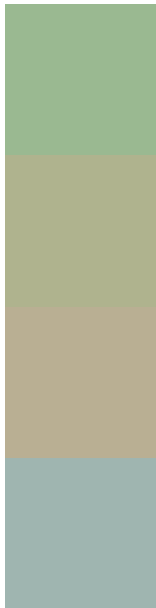
43.2106, 0.3638, 0.3559



## Tritanopia

43.7718, 0.2879, 0.3101

# Trichromacy



**Original Color**

43.6123, 0.3175, 0.3869

**Protanomaly**

43.3072, 0.3396, 0.3802

**Deuteranomaly**

43.0808, 0.3457, 0.3668

**Tritanomaly**

43.5533, 0.2982, 0.3359

# Monochromacy



**Original Color**

43.6123, 0.3175, 0.3869

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

41.6586, 0.3144, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6123, 0.3175, 0.3869 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(154, 185, 145)` looks like.

```
.text, #text, p{  
    color:rgb(154, 185, 145)  
}
```

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(154, 185, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 185, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6123, 0.3175, 0.3869 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(154, 185, 145) }
```

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

```
.border{ border-color:rgb(154, 185, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 185, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 185, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 185, 145);  
box-shadow:4px 4px 4px 4px rgb(154, 185,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6123, 0.3175, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 185, 145) }
```

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

```
.background{ background-color: rgb(154,  
185, 145) }
```

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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