

# Converting Colors

$Yxy(55.9601, 0.3149, 0.3693)$

Have a look what the booklet for  
Yxy(55.9601, 0.3149, 0.3693)  
contains.

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# Color

**Yxy(56.1448, 0.3146, 0.3700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2CDAD
RGB	178, 205, 173
RGB Percent	70%, 80%, 68%
CMY	0.3019, 0.1961, 0.3215
CMYK	0.13, 0.00, 0.16, 0.20
HSL	111°, 24%, 74%
HSV	111°, 16%, 80%
XYZ	47.7383, 56.1448, 47.8596
YIQ	193.2790, -5.8200, -15.6760

# Conversions

## Conversions Part 2

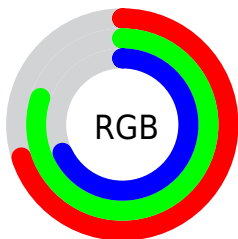
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 205, 200
Decimal	11718061
CIELab	79.70, -15.04, 12.93
CIELCh	80, 19.829, 139.314
Yxy	56.1448, 0.3146, 0.3700
Android (android.graphics.Color)	4289908141 (0xFFB2CDAD)
YUV	193.2790, -9.9975, -13.3997
Hunter-Lab	74.9298, -17.4038, 14.5808

# Details

The Yxy color **56.1448, 0.3146, 0.3700** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.5757, 0.3102, 0.2902**, and the grayscale version is **53.5671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6139, 0.3152, 0.3563**, and **27.8737, 0.3143, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **53.4954, 0.3155, 0.4001**, and if you desaturate by 10%, it is **59.1785, 0.3134, 0.3429**.

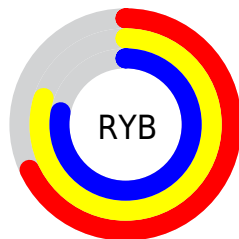
# Distribution



Red (70%)

Green (80%)

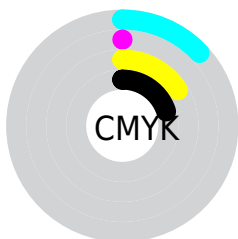
Blue (68%)



Red (68%)

Yellow (80%)

Blue (78%)

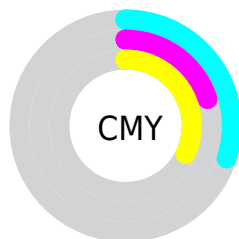


Cyan (13%)

Magenta (0%)

Yellow (16%)

Black (20%)



Cyan (30%)

Magenta (20%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1448, 0.3146, 0.3700 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 56.1448, 0.3146, 0.3700 by changing the saturation by 10% instead.




 56.1448, 0.3146,  
0.3700

 56.1448, 0.3146,  
0.3700


410.2370, 0.3139,  
0.3496

 40.3190, 0.3147,  
0.3750


 99.2163, 0.3144,  
0.3626

 27.7874, 0.3147,  
0.3815


127.2307, 0.3143,  
0.3599

 18.1654, 0.3147,  
0.3900


160.0769, 0.3143,  
0.3575

 11.0688, 0.3146,  
0.4019

198.1392, 0.3142,  
0.3555

 6.1132, 0.3140,  
0.4193

241.8019, 0.3141,  
0.3537

 2.9140, 0.3124,  
0.4474

291.4495, 0.3141,

 1.0870, 0.3258,

0.3522

0.5421

347.4664, 0.3140,  
0.3508

0.0000, 0.0000,  
0.0000

56.1448, 0.3146,  
0.3700

56.1448, 0.3146,  
0.3700

53.4954, 0.3155,  
0.4001

59.1785, 0.3134,  
0.3429

51.2079, 0.3160,  
0.4327

62.6036, 0.3121,  
0.3188

49.2688, 0.3160,  
0.4667

66.4359, 0.3107,  
0.2977

47.6607, 0.3153,  
0.5007

70.6877, 0.3093,  
0.2793

46.3648, 0.3138,  
0.5325

72.1422, 0.3150,  
0.2801

■ 45.3602, 0.3116,  
0.5596

■ 44.6236, 0.3087,  
0.5801

■ 44.1275, 0.3055,  
0.5927

■ 43.9713, 0.3043,  
0.5966

# Harmonies

## Analogous

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



56.1448, 0.3400, 0.3753



56.1448, 0.3146, 0.3700



56.1448, 0.2895, 0.3522

# Triad

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



56.1448, 0.3146, 0.3700



56.1448, 0.2684, 0.2901



56.1448, 0.3560, 0.3279

# Complementary

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



56.1448, 0.3146, 0.3700



46.5757, 0.3102, 0.2902

# 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.



56.1448, 0.3354, 0.3072



56.1448, 0.3146, 0.3700



56.1448, 0.2848, 0.2858

# Square

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



56.1448, 0.3146, 0.3700



56.1448, 0.2635, 0.3050



56.1448, 0.3091, 0.2921



56.1448, 0.3646, 0.3496



# Rectangle

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



56.1448, 0.3146, 0.3700



56.1448, 0.2761, 0.3361



56.1448, 0.3091, 0.2921



56.1448, 0.3502, 0.3206

# Sweetspot

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



56.1472, 0.3146, 0.3700



97.2233, 0.3134, 0.3415



57.1511, 0.3369, 0.3612



20.7291, 0.3135, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

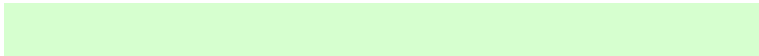


# Same Dimension

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



56.1472, 0.3146, 0.3700



90.3205, 0.3150, 0.3806



55.9944, 0.3034, 0.3563



12.6199, 0.3139, 0.3528



27.4009, 0.3049, 0.5961



1.4409, 0.3162, 0.5871



# Inverse Universe

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



46.5757, 0.3102, 0.2902



71.4764, 0.3095, 0.2809



46.7796, 0.3234, 0.3031



11.3113, 0.3113, 0.3060



8.3002, 0.2819, 0.1327



0.4528, 0.2900, 0.1371



# Previews

## White Background



This preview shows how the Yxy color 56.1448, 0.3146, 0.3700 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 56.1448, 0.3146, 0.3700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

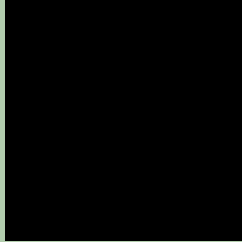
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.1448, 0.3146, 0.3700**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1448, 0.3146, 0.3700.



This preview shows how white text looks on a background with the Yxy color 56.1448, 0.3146, 0.3700.

# 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

56.1448, 0.3146, 0.3700

### Protanopia

56.0625, 0.3421, 0.3629

### Deuteranopia

55.8088, 0.3526, 0.3453



## Tritanopia

56.0674, 0.2910, 0.3096

# Trichromacy



## Original Color

56.1448, 0.3146, 0.3700

## Protanomaly

55.9466, 0.3317, 0.3662

## Deuteranomaly

55.3908, 0.3378, 0.3532

## Tritanomaly

55.8885, 0.2990, 0.3302

# Monochromacy



## Original Color

56.1448, 0.3146, 0.3700

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.1690, 0.3137, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.1448, 0.3146, 0.3700 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(178, 205, 173)` looks like.

```
.text, #text, p{  
    color:rgb(178, 205, 173)  
}
```

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(178, 205, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 205, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1448, 0.3146, 0.3700 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(178, 205, 173) }
```

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

```
.border{ border-color:rgb(178, 205, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 205, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 205, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 205, 173);  
box-shadow:4px 4px 4px 4px rgb(178, 205,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1448, 0.3146, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 205, 173) }
```

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

```
.background{ background-color: rgb(178,  
205, 173) }
```

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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