

# Converting Colors

$Yxy(56.3999, 0.3260, 0.3815)$

Have a look what the booklet for  
Yxy(56.3999, 0.3260, 0.3815)  
contains.

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# **Color**

**Yxy(56.5333, 0.3256, 0.3812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8CDA4
RGB	184, 205, 164
RGB Percent	72%, 80%, 64%
CMY	0.2787, 0.1960, 0.3569
CMYK	0.10, 0.00, 0.20, 0.20
HSL	91°, 29%, 72%
HSV	91°, 20%, 80%
XYZ	48.2876, 56.5333, 43.4826
YIQ	194.0470, 0.6450, -17.2030

# Conversions

## Conversions Part 2

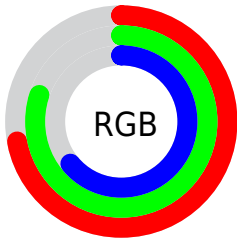
Format	Color
<a href="#">RYB</a>	<a href="#">164, 205, 185</a>
Decimal	<a href="#">12111268</a>
CIELab	<a href="#">79.92, -14.47, 18.09</a>
CIELCh	<a href="#">80, 23.164, 128.647</a>
Yxy	<a href="#">56.5333, 0.3256, 0.3812</a>
Android (android.graphics.Color)	<a href="#">4290301348</a> ( <a href="#">0xFFB8CDA4</a> )
YUV	<a href="#">194.0470, -14.8132, -8.8112</a>
Hunter-Lab	<a href="#">75.1886, -16.9439, 18.3438</a>

# Details

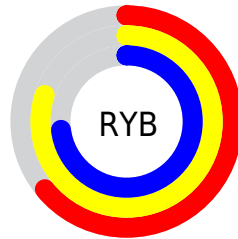
The Yxy color **56.5333, 0.3256, 0.3812** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.2784, 0.2974, 0.2770**, and the grayscale version is **54.0622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1597, 0.3242, 0.3652**, and **28.1284, 0.3289, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **54.6015, 0.3316, 0.4101**, and if you desaturate by 10%, it is **58.6862, 0.3192, 0.3541**.

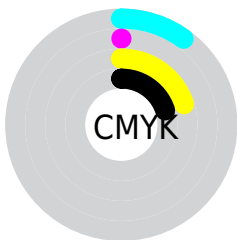
# Distribution



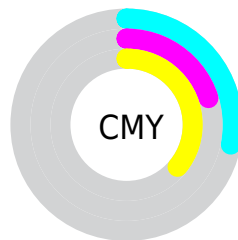
- Red (72%)
- Green (80%)
- Blue (64%)



- Red (64%)
- Yellow (80%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)




- Cyan (28%)
- Magenta (20%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5333, 0.3256, 0.3812 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 56.5333, 0.3256, 0.3812 by changing the saturation by 10% instead.




 56.5333, 0.3256,  
0.3812

 56.5333, 0.3256,  
0.3812


411.6982, 0.3197,  
0.3553

 40.6307, 0.3269,  
0.3876

 99.7839, 0.3236,  
0.3718

 28.0306, 0.3284,  
0.3958


 127.9006, 0.3228,  
0.3683

 18.3487, 0.3303,  
0.4065

160.8575, 0.3221,  
0.3653

 11.2006, 0.3326,  
0.4214

199.0390, 0.3215,  
0.3627

 6.2020, 0.3354,  
0.4431

242.8294, 0.3210,  
0.3605

 2.9683, 0.3381,  
0.4775

292.6131, 0.3205,

 1.1152, 0.3823,

0.3586

0.6177

348.7746, 0.3201,  
0.3568

0.0000, 0.0000,  
0.0000

56.5333, 0.3256,  
0.3812

56.5333, 0.3256,  
0.3812

54.6015, 0.3316,  
0.4101

58.6862, 0.3192,  
0.3541

52.8758, 0.3369,  
0.4400

61.0603, 0.3127,  
0.3290

51.3501, 0.3411,  
0.4700


63.6650, 0.3063,  
0.3063

50.0156, 0.3437,  
0.4986


66.5070, 0.3002,  
0.2858


48.8622, 0.3444,  
0.5244

68.8295, 0.3018,  
0.2781

 47.8791, 0.3430,  
0.5458

 70.6922, 0.3093,  
0.2793

 47.0535, 0.3394,  
0.5619

 72.1528, 0.3150,  
0.2802

 46.3646, 0.3343,  
0.5728

# Harmonies

## Analogous

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



56.5333, 0.3533, 0.3813



56.5333, 0.3256, 0.3812



56.5333, 0.2954, 0.3650

# Triad

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



56.5333, 0.3256, 0.3812



56.5333, 0.2577, 0.2885



56.5333, 0.3560, 0.3186

# Complementary

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



56.5333, 0.3256, 0.3812



41.2784, 0.2974, 0.2770

# 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.



56.5333, 0.3284, 0.2966



56.5333, 0.3256, 0.3812



56.5333, 0.2722, 0.2792

# Square

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



56.5333, 0.3256, 0.3812



56.5333, 0.2572, 0.3095



56.5333, 0.2976, 0.2824



56.5333, 0.3716, 0.3439



# Rectangle

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



56.5333, 0.3256, 0.3812



56.5333, 0.2778, 0.3475



56.5333, 0.2976, 0.2824



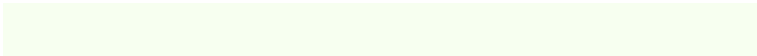
56.5333, 0.3477, 0.3107

# Sweetspot

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



56.5358, 0.3256, 0.3812



97.5930, 0.3167, 0.3439



50.1532, 0.3472, 0.3545



20.8346, 0.3171, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

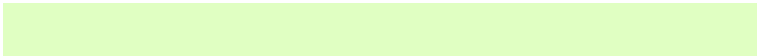


# Same Dimension

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



56.5358, 0.3256, 0.3812



91.1829, 0.3282, 0.3934



54.2440, 0.3101, 0.3837



12.8002, 0.3188, 0.3524



28.9131, 0.3353, 0.5720



1.5367, 0.3505, 0.5599



# Inverse Universe

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



41.2784, 0.2974, 0.2770



61.7610, 0.2935, 0.2649



43.9377, 0.3150, 0.2798



11.1226, 0.3061, 0.3056



4.6825, 0.2058, 0.0907



0.2866, 0.2270, 0.1024



# Previews

## White Background



This preview shows how the Yxy color 56.5333, 0.3256, 0.3812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

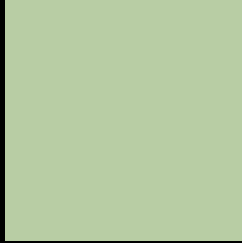
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.5333, 0.3256, 0.3812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

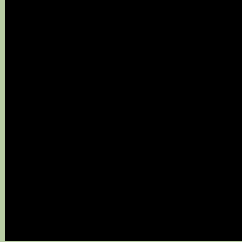
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.5333, 0.3256, 0.3812**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5333, 0.3256, 0.3812.



This preview shows how white text looks on a background with the Yxy color 56.5333, 0.3256, 0.3812.

# 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

56.5333, 0.3256, 0.3812

### Protanopia

56.1722, 0.3517, 0.3735

### Deuteranopia

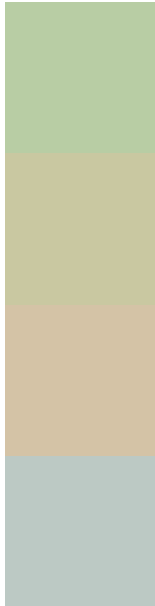
56.1109, 0.3635, 0.3554



## Tritanopia

56.3196, 0.2960, 0.3098

# Trichromacy



## Original Color

56.5333, 0.3256, 0.3812

## Protanomaly

56.2993, 0.3426, 0.3769

## Deuteranomaly

55.7804, 0.3492, 0.3637

## Tritanomaly

56.4502, 0.3063, 0.3351

# Monochromacy



## Original Color

56.5333, 0.3256, 0.3812

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.7542, 0.3174, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5333, 0.3256, 0.3812 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(184, 205, 164)` looks like.

```
.text, #text, p{  
    color:rgb(184, 205, 164)  
}
```

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(184, 205, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 205, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5333, 0.3256, 0.3812 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(184, 205, 164) }
```

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

```
.border{ border-color:rgb(184, 205, 164) }
```

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

Here you see how a box with a 4 pixel rgb(184, 205, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 205, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 205, 164);  
box-shadow:4px 4px 4px 4px rgb(184, 205,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5333, 0.3256, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 205, 164) }
```

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

```
.background{ background-color: rgb(184,  
205, 164) }
```

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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