

# Converting Colors

$Yxy(53.7019, 0.3102, 0.3831)$

Have a look what the booklet for  
Yxy(53.7019, 0.3102, 0.3831)  
contains.

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# Color

**Yxy(53.7586, 0.3102, 0.3825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4CCA4
RGB	164, 204, 164
RGB Percent	64%, 80%, 64%
CMY	0.3570, 0.1999, 0.3569
CMYK	0.20, 0.00, 0.20, 0.20
HSL	120°, 28%, 72%
HSV	120°, 20%, 80%
XYZ	43.5972, 53.7586, 43.1896
YIQ	187.4800, -11.0000, -20.9200

# Conversions

## Conversions Part 2

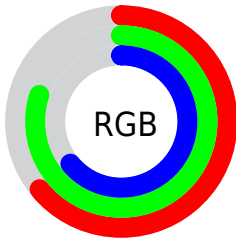
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 204, 204
Decimal	10800292
CIELab	78.32, -20.95, 15.67
CIElCh	78, 26.163, 143.200
Yxy	53.7586, 0.3102, 0.3825
Android (android.graphics.Color)	4288990372 (0xFFA4CCA4)
YUV	187.4800, -11.5756, -20.5920
Hunter-Lab	73.3203, -22.1720, 16.3992

# Details

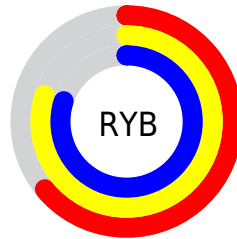
The Yxy color **53.7586, 0.3102, 0.3825** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7394, 0.3150, 0.2807**, and the grayscale version is **50.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6945, 0.3109, 0.3667**, and **26.4273, 0.3094, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **51.0834, 0.3087, 0.4147**, and if you desaturate by 10%, it is **56.9047, 0.3116, 0.3536**.

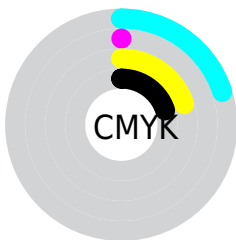
# Distribution



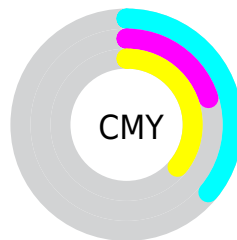
- Red (64%)
- Green (80%)
- Blue (64%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7586, 0.3102, 0.3825 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 53.7586, 0.3102, 0.3825 by changing the saturation by 10% instead.





 53.7586, 0.3102,  
0.3825


 53.7586, 0.3102,  
0.3825


401.1888, 0.3119,  
0.3555

 38.4087, 0.3097,  
0.3893


 95.7197, 0.3109,  
0.3726

 26.3000, 0.3089,  
0.3981

 123.0997, 0.3111,  
0.3690

 17.0482, 0.3077,  
0.4098


155.2585, 0.3113,  
0.3658

 10.2689, 0.3058,  
0.4262

192.5806, 0.3115,  
0.3632

 5.5776, 0.3025,  
0.4509

235.4502, 0.3116,  
0.3609

 2.5900, 0.2956,  
0.4917

284.2519, 0.3117,

 0.9216, 0.2832,

0.3589

0.7168

339.3700, 0.3118,  
0.3571

0.0000, 0.0000,  
0.0000

53.7586, 0.3102,  
0.3825

53.7586, 0.3102,  
0.3825

51.0834, 0.3087,  
0.4147

56.9047, 0.3116,  
0.3536

48.8500, 0.3071,  
0.4494

60.5357, 0.3128,  
0.3281

47.0367, 0.3054,  
0.4853

64.6731, 0.3138,  
0.3060

45.6174, 0.3037,  
0.5200

69.3354, 0.3147,  
0.2870

44.5626, 0.3023,  
0.5510

71.6720, 0.3151,  
0.2792

■ 43.8393, 0.3011,  
0.5754

■ 43.4080, 0.3004,  
0.5915

■ 43.1986, 0.3000,  
0.5997

■ 43.1921, 0.3000,  
0.6000

# Harmonies

## Analogous

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



53.7586, 0.3446, 0.3916



53.7586, 0.3102, 0.3825



53.7586, 0.2777, 0.3562

# Triad

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



53.7586, 0.3102, 0.3825



53.7586, 0.2561, 0.2757



53.7586, 0.3735, 0.3307

# Complementary

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



53.7586, 0.3102, 0.3825



43.7394, 0.3150, 0.2807

# 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.



53.7586, 0.3472, 0.3033



53.7586, 0.3102, 0.3825



53.7586, 0.2791, 0.2724

# Square

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



53.7586, 0.3102, 0.3825



53.7586, 0.2477, 0.2932



53.7586, 0.3122, 0.2825



53.7586, 0.3823, 0.3591



# Rectangle

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



53.7586, 0.3102, 0.3825



53.7586, 0.2613, 0.3338



53.7586, 0.3122, 0.2825



53.7586, 0.3663, 0.3212

# Sweetspot

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



53.7609, 0.3102, 0.3825



96.2664, 0.3120, 0.3441



58.7105, 0.3420, 0.3774



20.5219, 0.3119, 0.3459



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

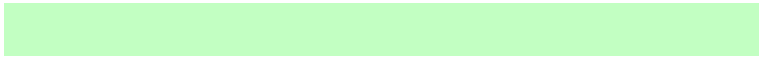


# Same Dimension

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



53.7609, 0.3102, 0.3825



86.8495, 0.3095, 0.3972



54.5417, 0.2966, 0.3552



12.5370, 0.3116, 0.3529



27.1817, 0.3000, 0.6000



1.4023, 0.3000, 0.5999



# Inverse Universe

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



43.7394, 0.3150, 0.2807



66.9738, 0.3155, 0.2691



42.8399, 0.3326, 0.3042



11.4037, 0.3138, 0.3062



10.8228, 0.3210, 0.1542



0.5583, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 53.7586, 0.3102, 0.3825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

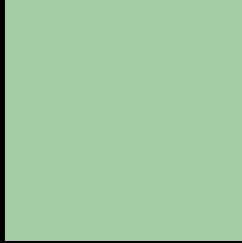
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7586, 0.3102, 0.3825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

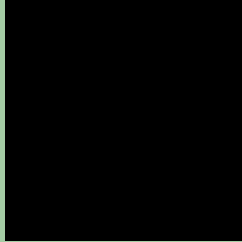
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.7586, 0.3102, 0.3825**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7586, 0.3102, 0.3825.

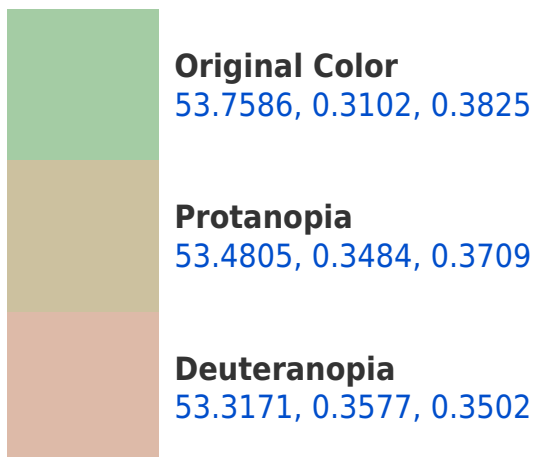


This preview shows how white text looks on a background with the Yxy color 53.7586, 0.3102, 0.3825.

# 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





## Tritanopia

53.5073, 0.2829, 0.3089

# Trichromacy



## Original Color

53.7586, 0.3102, 0.3825

## Protanomaly

53.3245, 0.3332, 0.3749

## Deuteranomaly

53.2093, 0.3386, 0.3613

## Tritanomaly

53.6837, 0.2928, 0.3354

# Monochromacy



## Original Color

53.7586, 0.3102, 0.3825

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.9783, 0.3119, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7586, 0.3102, 0.3825 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(164, 204, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 204, 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(164, 204, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 204, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7586, 0.3102, 0.3825 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(164, 204, 164) }
```

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

```
.border{ border-color:rgb(164, 204, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 204, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 204, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 204, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 204,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7586, 0.3102, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 204, 164) }
```

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

```
.background{ background-color: rgb(164,  
204, 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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