

# Converting Colors

Yxy(56.4931, 0.3213, 0.4344)

Have a look what the booklet for  
Yxy(56.4931, 0.3213, 0.4344)  
contains.

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**Color**

**Yxy(56.3063, 0.3217, 0.4345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9BD587
RGB	155, 213, 135
RGB Percent	61%, 84%, 53%
CMY	0.3921, 0.1647, 0.4706
CMYK	0.27, 0.00, 0.37, 0.16
HSL	105°, 48%, 68%
HSV	105°, 37%, 84%
XYZ	41.6887, 56.3063, 31.5937
YIQ	186.7660, -9.5300, -36.5540

# Conversions

## Conversions Part 2

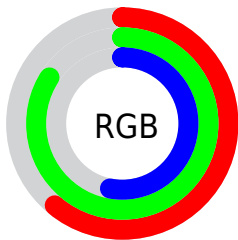
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 213, 193
Decimal	10212743
CIELab	79.79, -32.98, 32.74
CIELCh	80, 46.477, 135.208
Yxy	56.3063, 0.3217, 0.4345
Android (android.graphics.Color)	4288402823 (0xFF9BD587)
YUV	186.7660, -25.5206, -27.8588
Hunter-Lab	75.0375, -32.1462, 27.5629

# Details

The Yxy color **56.3063, 0.3217, 0.4345** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.4682, 0.2977, 0.2336**, and the grayscale version is **49.7099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0430, 0.3229, 0.4004**, and **27.9186, 0.3219, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **54.3020, 0.3229, 0.4676**, and if you desaturate by 10%, it is **58.6408, 0.3198, 0.4025**.

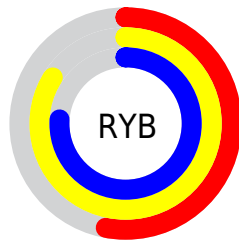
# Distribution



Red (61%)

Green (84%)

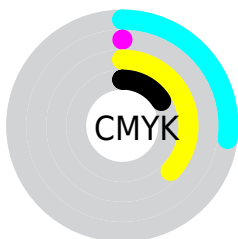
Blue (53%)



Red (53%)

Yellow (84%)

Blue (76%)

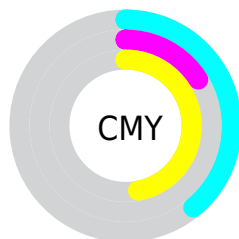


Cyan (27%)

Magenta (0%)

Yellow (37%)

Black (16%)



Cyan (39%)

Magenta (16%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3063, 0.3217, 0.4345 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 56.3063, 0.3217, 0.4345 by changing the saturation by 10% instead.





 56.3063, 0.3217,  
0.4345

 56.3063, 0.3217,  
0.4345


410.8448, 0.3191,  
0.3809


 40.4486, 0.3217,  
0.4480


 99.4523, 0.3212,  
0.4149

 27.8885, 0.3214,  
0.4654

 127.5093, 0.3209,  
0.4075

 18.2416, 0.3203,  
0.4883


 160.4015, 0.3205,  
0.4014

 11.1236, 0.3175,  
0.5200

198.5134, 0.3202,  
0.3961

 6.1500, 0.3107,  
0.5658

242.2293, 0.3199,  
0.3915

 2.9365, 0.3090,  
0.6691

291.9335, 0.3196,

 1.0987, 0.1698,

0.3875

0.8302

348.0106, 0.3193,  
0.3840

■ 0.0000, 0.0000,  
0.0000

■ 56.3063, 0.3217,  
0.4345

■ 56.3063, 0.3217,  
0.4345

■ 54.3020, 0.3229,  
0.4676

■ 58.6408, 0.3198,  
0.4025

■ 52.6056, 0.3230,  
0.5003

■ 61.3125, 0.3173,  
0.3727

■ 51.2031, 0.3219,  
0.5307


■ 64.3369, 0.3146,  
0.3455


■ 50.0765, 0.3195,  
0.5566


■ 67.7267, 0.3117,  
0.3211

■ 49.2054, 0.3160,  
0.5762

■ 71.4935, 0.3088,  
0.2994

 48.5656, 0.3115,  
0.5887

 75.1360, 0.3111,  
0.2876

 48.3913, 0.3101,  
0.5920

 76.0682, 0.3146,  
0.2881

# Harmonies

## Analogous

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



56.3063, 0.3794, 0.4368



56.3063, 0.3217, 0.4345



56.3063, 0.2645, 0.3932

# Triad

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



56.3063, 0.3217, 0.4345



56.3063, 0.2118, 0.2432



56.3063, 0.4098, 0.3164

# Complementary

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



56.3063, 0.3217, 0.4345



33.4682, 0.2977, 0.2336

# 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.



56.3063, 0.3563, 0.2750



56.3063, 0.3217, 0.4345



56.3063, 0.2426, 0.2339

# Square

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



56.3063, 0.3217, 0.4345



56.3063, 0.2048, 0.2761



56.3063, 0.2941, 0.2457



56.3063, 0.4341, 0.3632



# Rectangle

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



56.3063, 0.3217, 0.4345



56.3063, 0.2343, 0.3521



56.3063, 0.2941, 0.2457



56.3063, 0.3944, 0.3017

# Sweetspot

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



56.3087, 0.3217, 0.4345



94.5811, 0.3159, 0.3574



53.6831, 0.3756, 0.3976



20.1113, 0.3162, 0.3611



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

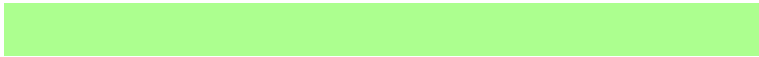


# Same Dimension

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



56.3087, 0.3217, 0.4345



82.2226, 0.3227, 0.4604



55.0462, 0.2966, 0.4127



14.0485, 0.3154, 0.3528



29.6015, 0.3110, 0.5913



1.8253, 0.3236, 0.5812



# Inverse Universe

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



33.4682, 0.2977, 0.2336



43.0059, 0.2933, 0.2128



35.4066, 0.3346, 0.2579



12.4648, 0.3097, 0.3057



7.4462, 0.2571, 0.1190



0.4876, 0.2686, 0.1253



# Previews

## White Background



This preview shows how the Yxy color 56.3063, 0.3217, 0.4345 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 56.3063, 0.3217, 0.4345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

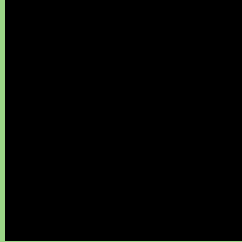
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.3063, 0.3217, 0.4345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3063, 0.3217, 0.4345.



This preview shows how white text looks on a background with the Yxy color 56.3063, 0.3217, 0.4345.

# 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

56.3063, 0.3217, 0.4345

### Protanopia

55.8136, 0.3790, 0.4095

### Deuteranopia

55.7811, 0.3916, 0.3841



## Tritanopia

56.2614, 0.2775, 0.3092

# Trichromacy



## Original Color

56.3063, 0.3217, 0.4345



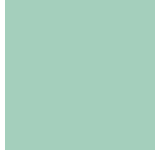
## Protanomaly

55.6880, 0.3571, 0.4192



## Deuteranomaly

55.2023, 0.3641, 0.4023



## Tritanomaly

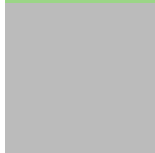
56.1490, 0.2941, 0.3536

# Monochromacy



## Original Color

56.3063, 0.3217, 0.4345



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.4210, 0.3166, 0.3659

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3063, 0.3217, 0.4345 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(155, 213, 135)` looks like.

```
.text, #text, p{  
    color:rgb(155, 213, 135)  
}
```

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(155, 213, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 213, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3063, 0.3217, 0.4345 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(155, 213, 135) }
```

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

```
.border{ border-color:rgb(155, 213, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 213, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 213, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 213, 135);  
box-shadow:4px 4px 4px 4px rgb(155, 213,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3063, 0.3217, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 213, 135) }
```

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

```
.background{ background-color: rgb(155,  
213, 135) }
```

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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