

# Converting Colors

Yxy(56.6813, 0.3290, 0.4057)

Have a look what the booklet for  
Yxy(56.6813, 0.3290, 0.4057)  
contains.

<b>Yxy(56.5118, 0.3294, 0.4056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(56.5118, 0.3294, 0.4056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0D095
RGB	176, 208, 149
RGB Percent	69%, 82%, 58%
CMY	0.3096, 0.1843, 0.4157
CMYK	0.15, 0.00, 0.28, 0.18
HSL	92°, 39%, 70%
HSV	92°, 28%, 82%
XYZ	45.8949, 56.5118, 36.9222
YIQ	191.7060, -0.1330, -25.1330

# Conversions

## Conversions Part 2

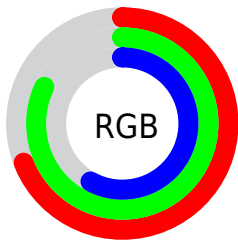
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 208, 181
Decimal	11587733
CIELab	79.90, -21.12, 25.88
CIElCh	80, 33.405, 129.206
Yxy	56.5118, 0.3294, 0.4056
Android (android.graphics.Color)	4289777813 (0xFFB0D095)
YUV	191.7060, -21.0541, -13.7742
Hunter-Lab	75.1743, -22.5784, 23.5015

# Details

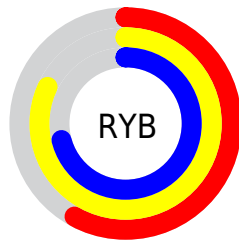
The Yxy color **56.5118, 0.3294, 0.4056** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8643, 0.2911, 0.2535**, and the grayscale version is **52.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9876, 0.3284, 0.3826**, and **28.2040, 0.3324, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **54.6491, 0.3344, 0.4357**, and if you desaturate by 10%, it is **58.6069, 0.3238, 0.3768**.

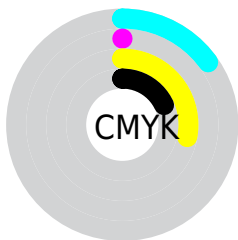
# Distribution



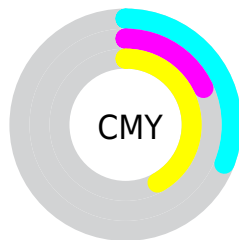
- Red (69%)
- Green (82%)
- Blue (58%)



- Red (58%)
- Yellow (82%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)




- Cyan (31%)
- Magenta (18%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5118, 0.3294, 0.4056 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 56.5118, 0.3294, 0.4056 by changing the saturation by 10% instead.





 56.5118, 0.3294,  
0.4056

 56.5118, 0.3294,  
0.4056


411.6174, 0.3222,  
0.3672

 40.6134, 0.3308,  
0.4151


 99.7525, 0.3270,  
0.3917

 28.0171, 0.3325,  
0.4273


 127.8636, 0.3261,  
0.3864

 18.3386, 0.3343,  
0.4434


160.8144, 0.3252,  
0.3820

 11.1933, 0.3361,  
0.4656

198.9892, 0.3245,  
0.3782

 6.1970, 0.3372,  
0.4977

242.7726, 0.3238,  
0.3749

 2.9653, 0.3380,  
0.5522

292.5488, 0.3232,

 1.1136, 0.3211,

0.3720

0.6789

348.7023, 0.3227,  
0.3695

0.0000, 0.0000,  
0.0000

56.5118, 0.3294,  
0.4056

56.5118, 0.3294,  
0.4056

54.6491, 0.3344,  
0.4357

58.6069, 0.3238,  
0.3768

53.0025, 0.3383,  
0.4662

60.9355, 0.3178,  
0.3498

51.5648, 0.3408,  
0.4956

63.5079, 0.3117,  
0.3251

50.3256, 0.3415,  
0.5225

66.3316, 0.3058,  
0.3028

49.2732, 0.3401,  
0.5451

69.4137, 0.3001,  
0.2827

■ 48.3942, 0.3366,  
0.5624

■ 71.4909, 0.3067,  
0.2819

■ 47.6698, 0.3315,  
0.5740

■ 73.5626, 0.3148,  
0.2831

■ 47.5619, 0.3306,  
0.5757

■ 73.5873, 0.3149,  
0.2831

# Harmonies

## Analogous

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



56.5118, 0.3697, 0.4044



56.5118, 0.3294, 0.4056



56.5118, 0.2864, 0.3814

# Triad

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



56.5118, 0.3294, 0.4056



56.5118, 0.2354, 0.2702



56.5118, 0.3759, 0.3142

# Complementary

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



56.5118, 0.3294, 0.4056



35.8643, 0.2911, 0.2535

# 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.



56.5118, 0.3357, 0.2839



56.5118, 0.3294, 0.4056



56.5118, 0.2555, 0.2586

# Square

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



56.5118, 0.3294, 0.4056



56.5118, 0.2341, 0.2990



56.5118, 0.2914, 0.2640



56.5118, 0.3983, 0.3493



# Rectangle

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



56.5118, 0.3294, 0.4056



56.5118, 0.2620, 0.3549



56.5118, 0.2914, 0.2640



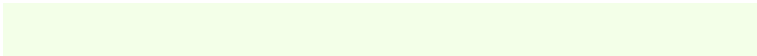
56.5118, 0.3639, 0.3032

# Sweetspot

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



56.5143, 0.3294, 0.4056



96.3286, 0.3182, 0.3517



48.4079, 0.3638, 0.3681



20.4977, 0.3191, 0.3556



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

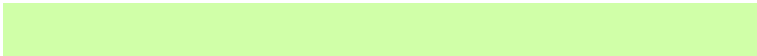


# Same Dimension

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



56.5143, 0.3294, 0.4056



87.7782, 0.3325, 0.4237



53.7302, 0.3076, 0.4078



13.4681, 0.3184, 0.3525



29.7022, 0.3316, 0.5749



1.7077, 0.3461, 0.5634



# Inverse Universe

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



35.8643, 0.2911, 0.2535



49.8183, 0.2852, 0.2360



39.3611, 0.3178, 0.2611



11.7283, 0.3066, 0.3056



5.0677, 0.2113, 0.0937



0.3302, 0.2305, 0.1044



# Previews

## White Background



This preview shows how the Yxy color 56.5118, 0.3294, 0.4056 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 56.5118, 0.3294, 0.4056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

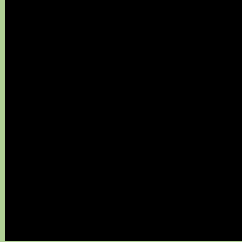
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.5118, 0.3294, 0.4056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5118, 0.3294, 0.4056.



This preview shows how white text looks on a background with the Yxy color 56.5118, 0.3294, 0.4056.

# 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

56.5118, 0.3294, 0.4056

### Protanopia

55.9432, 0.3659, 0.3925

### Deuteranopia

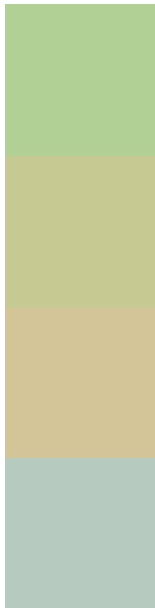
56.2826, 0.3787, 0.3710



## Tritanopia

56.1922, 0.2917, 0.3096

# Trichromacy



**Original Color**

56.5118, 0.3294, 0.4056

**Protanomaly**

55.9907, 0.3520, 0.3971

**Deuteranomaly**

56.1966, 0.3597, 0.3829

**Tritanomaly**

55.9477, 0.3052, 0.3428

# Monochromacy



**Original Color**

56.5118, 0.3294, 0.4056

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

53.9619, 0.3193, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5118, 0.3294, 0.4056 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(176, 208, 149)` looks like.

```
.text, #text, p{  
    color:rgb(176, 208, 149)  
}
```

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(176, 208, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 208, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5118, 0.3294, 0.4056 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(176, 208, 149) }
```

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

```
.border{ border-color:rgb(176, 208, 149) }
```

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

Here you see how a box with a 4 pixel rgb(176, 208, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 208, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 208, 149);  
box-shadow:4px 4px 4px 4px rgb(176, 208,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5118, 0.3294, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 208, 149) }
```

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

```
.background{ background-color: rgb(176,  
208, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor