

# Converting Colors

Yxy(56.7336, 0.3572, 0.4941)

Have a look what the booklet for  
Yxy(56.7336, 0.3572, 0.4941)  
contains.

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# Color

**Yxy(56.6257, 0.3569, 0.4935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4D654
RGB	164, 214, 84
RGB Percent	64%, 84%, 33%
CMY	0.3570, 0.1607, 0.6704
CMYK	0.23, 0.00, 0.61, 0.16
HSL	83°, 61%, 58%
HSV	83°, 61%, 84%
XYZ	40.9518, 56.6257, 17.1656
YIQ	184.2300, 11.9300, -51.0300

# Conversions

## Conversions Part 2

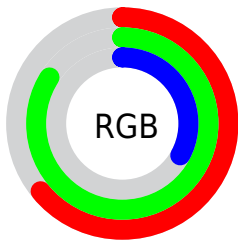
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 214, 134
Decimal	10802772
CIELab	79.97, -36.01, 57.42
CIElCh	80, 67.780, 122.096
Yxy	56.6257, 0.3569, 0.4935
Android (android.graphics.Color)	4288992852 (0xFFA4D654)
YUV	184.2300, -49.4134, -17.7417
Hunter-Lab	75.2500, -34.5462, 39.1502

# Details

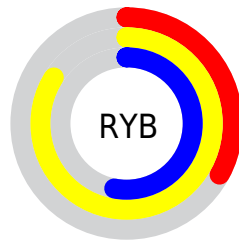
The Yxy color **56.6257, 0.3569, 0.4935** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **16.2773, 0.2354, 0.1523**, and the grayscale version is **48.3393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8846, 0.3580, 0.4516**, and **28.0590, 0.3593, 0.5372** is the 20% darker color. If you saturate the color by 10%, you get **55.4940, 0.3593, 0.5166**, and if you desaturate by 10%, it is **57.9217, 0.3524, 0.4673**.

# Distribution



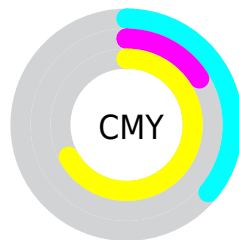
- Red (64%)
- Green (84%)
- Blue (33%)



- Red (33%)
- Yellow (84%)
- Blue (53%)



- Cyan (23%)
- Magenta (0%)
- Yellow (61%)
- Black (16%)




- Cyan (36%)
- Magenta (16%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6257, 0.3569, 0.4935 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 56.6257, 0.3569, 0.4935 by changing the saturation by 10% instead.





 56.6257, 0.3569,  
0.4935


 56.6257, 0.3569,  
0.4935


412.0453, 0.3407,  
0.4115

 40.7048, 0.3587,  
0.5129


 99.9188, 0.3526,  
0.4643

 28.0885, 0.3597,  
0.5368


 128.0599, 0.3505,  
0.4531

 18.3924, 0.3586,  
0.5665


 161.0430, 0.3485,  
0.4436

 11.2321, 0.3532,  
0.6036

 199.2528, 0.3467,  
0.4353

 6.2231, 0.3424,  
0.6576

243.0735, 0.3450,  
0.4282

 2.9812, 0.3007,  
0.6993

292.8895, 0.3435,

 1.1219, 0.1314,

0.4219

0.8686

349.0853, 0.3420,  
0.4164

0.0000, 0.0000,  
0.0000

56.6257, 0.3569,  
0.4935

56.6257, 0.3569,  
0.4935

55.4940, 0.3593,  
0.5166

57.9217, 0.3524,  
0.4673

54.5083, 0.3593,  
0.5355

59.3838, 0.3461,  
0.4392

53.6586, 0.3568,  
0.5493

61.0234, 0.3387,  
0.4107

52.9726, 0.3529,  
0.5580

62.8481, 0.3305,  
0.3826

64.8654, 0.3219,  
0.3558

■ 67.0821, 0.3133,  
0.3308

■ 69.5048, 0.3050,  
0.3077

■ 72.1239, 0.2971,  
0.2869

■ 73.5189, 0.3028,  
0.2876

# Harmonies

## Analogous

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



56.6257, 0.4326, 0.4634



56.6257, 0.3569, 0.4935



56.6257, 0.2740, 0.4609

# Triad

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



56.6257, 0.3569, 0.4935



56.6257, 0.1663, 0.2223



56.6257, 0.4233, 0.2826

# Complementary

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



56.6257, 0.3569, 0.4935



16.2773, 0.2354, 0.1523

# 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.



56.6257, 0.3341, 0.2343



56.6257, 0.3569, 0.4935



56.6257, 0.1929, 0.1994

# Square

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



56.6257, 0.3569, 0.4935



56.6257, 0.1699, 0.2799



56.6257, 0.2501, 0.2048



56.6257, 0.4799, 0.3419



# Rectangle

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



56.6257, 0.3569, 0.4935



56.6257, 0.2259, 0.4042



56.6257, 0.2501, 0.2048



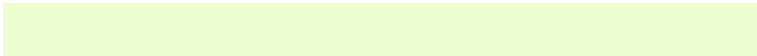
56.6257, 0.3953, 0.2648

# Sweetspot

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



56.6282, 0.3569, 0.4935



94.1890, 0.3283, 0.3757



31.9501, 0.4595, 0.3879



19.9788, 0.3308, 0.3837



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.



56.6282, 0.3569, 0.4935



82.0542, 0.3595, 0.5228



51.4037, 0.3116, 0.5197



14.2701, 0.3208, 0.3524



32.0761, 0.3538, 0.5573



1.9817, 0.3651, 0.5483



# Inverse Universe

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



16.2773, 0.2354, 0.1523



17.0795, 0.2152, 0.1183



23.3232, 0.3028, 0.1819



12.2395, 0.3041, 0.3053



4.0855, 0.1826, 0.0780



0.2934, 0.2023, 0.0888



# Previews

## White Background



This preview shows how the Yxy color 56.6257, 0.3569, 0.4935 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 56.6257, 0.3569, 0.4935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

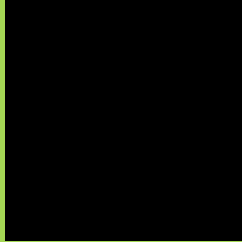
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6257, 0.3569, 0.4935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6257, 0.3569, 0.4935.



This preview shows how white text looks on a background with the Yxy color 56.6257, 0.3569, 0.4935.

# 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

56.6257, 0.3569, 0.4935

### Protanopia

56.1683, 0.4162, 0.4573

### Deuteranopia

55.9722, 0.4365, 0.4269



## Tritanopia

56.6068, 0.2869, 0.3095

# Trichromacy



**Original Color**

56.6257, 0.3569, 0.4935

**Protanomaly**

56.0592, 0.3938, 0.4707

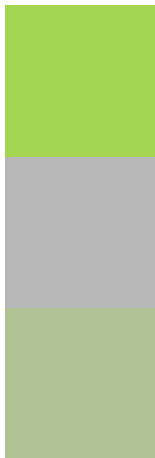
**Deuteranomaly**

55.1008, 0.4070, 0.4503

**Tritanomaly**

56.1211, 0.3150, 0.3768

# Monochromacy



**Original Color**

56.6257, 0.3569, 0.4935

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

50.5154, 0.3332, 0.3916

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6257, 0.3569, 0.4935 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, 214, 84)` looks like.

```
.text, #text, p{  
    color:rgb(164, 214, 84)  
}
```

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, 214, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 214, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6257, 0.3569, 0.4935 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, 214, 84) }
```

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

```
.border{ border-color:rgb(164, 214, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 214, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 214, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 214, 84);  
box-shadow:4px 4px 4px 4px rgb(164, 214,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6257, 0.3569, 0.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 214, 84) }
```

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

```
.background{ background-color: rgb(164,  
214, 84) }
```

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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