

# Converting Colors

Yxy(63.4407, 0.3616, 0.5129)

Have a look what the booklet for  
Yxy(63.4407, 0.3616, 0.5129)  
contains.

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**Color**

**Yxy(63.2574, 0.3618, 0.5127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E245
RGB	169, 226, 69
RGB Percent	66%, 89%, 27%
CMY	0.3371, 0.1137, 0.7295
CMYK	0.25, 0.00, 0.69, 0.11
HSL	82°, 73%, 58%
HSV	82°, 69%, 89%
XYZ	44.6392, 63.2574, 15.4843
YIQ	191.0590, 16.4250, -60.9110

# Conversions

## Conversions Part 2

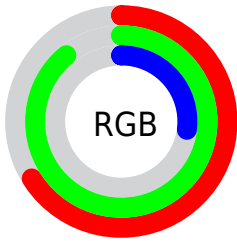
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 226, 126
Decimal	11133509
CIELab	83.58, -40.56, 67.29
CIElCh	84, 78.571, 121.080
Yxy	63.2574, 0.3618, 0.5127
Android (android.graphics.Color)	4289323589 (0xFFA9E245)
YUV	191.0590, -60.1751, -19.3457
Hunter-Lab	79.5345, -39.0012, 44.1312

# Details

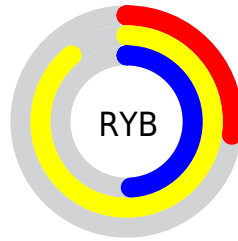
The Yxy color **63.2574, 0.3618, 0.5127** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.1764, 0.2183, 0.1265**, and the grayscale version is **52.4905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5203, 0.3681, 0.4608**, and **32.1942, 0.3608, 0.5517** is the 20% darker color. If you saturate the color by 10%, you get **62.1522, 0.3624, 0.5317**, and if you desaturate by 10%, it is **64.5318, 0.3588, 0.4895**.

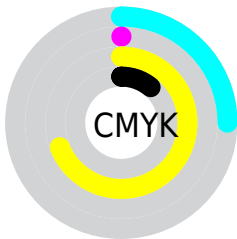
# Distribution



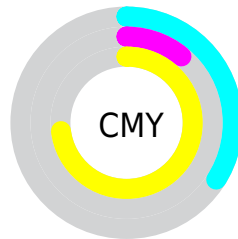
- Red (66%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (49%)



- Cyan (25%)
- Magenta (0%)
- Yellow (69%)
- Black (11%)




- Cyan (34%)
- Magenta (11%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2574, 0.3618, 0.5127 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 63.2574, 0.3618, 0.5127 by changing the saturation by 10% instead.




 63.2574, 0.3618,  
0.5127


 63.2574, 0.3618,  
0.5127


436.5030, 0.3455,  
0.4235


 46.0495, 0.3630,  
0.5328


 109.5408, 0.3580,  
0.4817


 32.2849, 0.3629,  
0.5569


 139.3850, 0.3560,  
0.4696

 21.5792, 0.3601,  
0.5859


 174.2102, 0.3540,  
0.4591

 13.5480, 0.3529,  
0.6219

 214.4006, 0.3520,  
0.4501

 7.8070, 0.3358,  
0.6642

 260.3407, 0.3502,  
0.4422

 3.9717, 0.2962,  
0.7038

312.4149, 0.3486,

 1.6577, 0.2092,

0.4352

0.7908

371.0075, 0.3470,  
0.4290

0.3961, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.2574, 0.3618,  
0.5127

63.2574, 0.3618,  
0.5127

62.1522, 0.3624,  
0.5317

64.5318, 0.3588,  
0.4895

61.1940, 0.3605,  
0.5456


65.9790, 0.3536,  
0.4634


60.3634, 0.3565,  
0.5549


67.6122, 0.3468,  
0.4355


60.3219, 0.3563,  
0.5553


69.4409, 0.3389,  
0.4071

 71.4740, 0.3302,  
0.3792

 73.7195, 0.3212,  
0.3526

 76.1850, 0.3123,  
0.3277

 78.8779, 0.3036,  
0.3048

 80.6341, 0.3058,  
0.3002

# Harmonies

## Analogous

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



63.2574, 0.4449, 0.4729



63.2574, 0.3618, 0.5127



63.2574, 0.2710, 0.4815

# Triad

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



63.2574, 0.3618, 0.5127



63.2574, 0.1528, 0.2123



63.2574, 0.4330, 0.2751

# Complementary

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



63.2574, 0.3618, 0.5127



14.1764, 0.2183, 0.1265

# 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.



63.2574, 0.3322, 0.2238



63.2574, 0.3618, 0.5127



63.2574, 0.1801, 0.1875

# Square

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



63.2574, 0.3618, 0.5127



63.2574, 0.1571, 0.2757



63.2574, 0.2405, 0.1929



63.2574, 0.4977, 0.3383



# Rectangle

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



63.2574, 0.3618, 0.5127



63.2574, 0.2181, 0.4174



63.2574, 0.2405, 0.1929



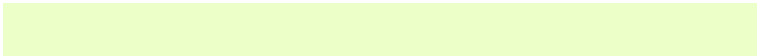
63.2574, 0.4010, 0.2562

# Sweetspot

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



63.2602, 0.3618, 0.5127



93.5185, 0.3316, 0.3838



30.9980, 0.4945, 0.3867



19.8546, 0.3341, 0.3915



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.



63.2602, 0.3618, 0.5127



81.1888, 0.3619, 0.5380



57.1235, 0.3124, 0.5451



15.7680, 0.3212, 0.3525



34.4841, 0.3572, 0.5546



2.4403, 0.3668, 0.5469



# Inverse Universe

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



14.1764, 0.2183, 0.1265



12.9752, 0.1972, 0.0958



22.3641, 0.2947, 0.1634



13.4841, 0.3037, 0.3052



4.2167, 0.1790, 0.0760

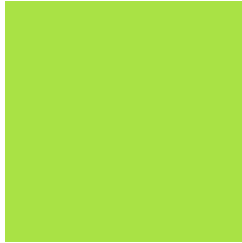


0.3417, 0.1963, 0.0855



# Previews

## White Background



This preview shows how the Yxy color 63.2574, 0.3618, 0.5127 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 63.2574, 0.3618, 0.5127 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 63.2574, 0.3618, 0.5127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2574, 0.3618, 0.5127.



This preview shows how white text looks on a background with the Yxy color 63.2574, 0.3618, 0.5127.

# 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

63.2574, 0.3618, 0.5127

### Protanopia

62.6377, 0.4257, 0.4697

### Deuteranopia

62.5112, 0.4352, 0.4278



## Tritanopia

62.8813, 0.2853, 0.3092

# Trichromacy



**Original Color**

63.2574, 0.3618, 0.5127

**Protanomaly**

62.5495, 0.4010, 0.4862

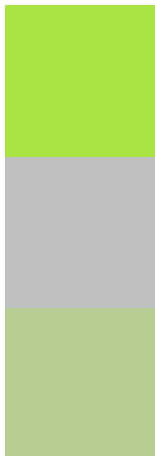
**Deuteranomaly**

61.6472, 0.4085, 0.4577

**Tritanomaly**

61.8378, 0.3179, 0.3865

# Monochromacy



**Original Color**

63.2574, 0.3618, 0.5127

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

55.3596, 0.3371, 0.4023

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2574, 0.3618, 0.5127 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(169, 226, 69)` looks like.

```
.text, #text, p{  
    color:rgb(169, 226, 69)  
}
```

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(169, 226, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 226, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2574, 0.3618, 0.5127 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(169, 226, 69) }
```

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

```
.border{ border-color:rgb(169, 226, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 226, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 226, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 226, 69);  
box-shadow:4px 4px 4px 4px rgb(169, 226,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2574, 0.3618, 0.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 226, 69) }
```

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

```
.background{ background-color: rgb(169,  
226, 69) }
```

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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