

Converting Colors

$Y_{xy}(64.3500, 0.3603, 0.5031)$

Have a look what the booklet for
Yxy(64.3500, 0.3603, 0.5031)
contains.

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Color

Yxy(64.3869, 0.3606, 0.5034)

Conversions

Conversions Part 1

Format	Color
Hex	ADE34F
RGB	173, 227, 79
RGB Percent	68%, 89%, 31%
CMY	0.3214, 0.1098, 0.6902
CMYK	0.24, 0.00, 0.65, 0.11
HSL	82°, 73%, 60%
HSV	82°, 65%, 89%
XYZ	46.1222, 64.3869, 17.3950
YIQ	193.9820, 15.3240, -57.4760

Conversions

Conversions Part 2

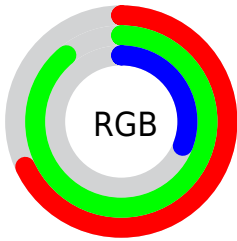
Format	Color
RYB	79, 227, 133
Decimal	11395919
CIELab	84.17, -38.84, 64.18
CIElCh	84, 75.018, 121.183
Yxy	64.3869, 0.3606, 0.5034
Android (android.graphics.Color)	4289585999 (0xFFADE34F)
YUV	193.9820, -56.6861, -18.4012
Hunter-Lab	80.2414, -37.8220, 43.3160

Details

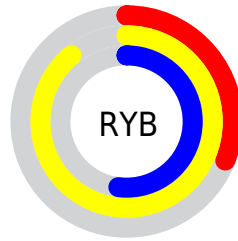
The Yxy color **64.3869, 0.3606, 0.5034** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **16.1218, 0.2253, 0.1380**, and the grayscale version is **54.2800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2582, 0.3657, 0.4517**, and **32.8630, 0.3626, 0.5459** is the 20% darker color. If you saturate the color by 10%, you get **63.1990, 0.3622, 0.5243**, and if you desaturate by 10%, it is **65.7518, 0.3567, 0.4788**.

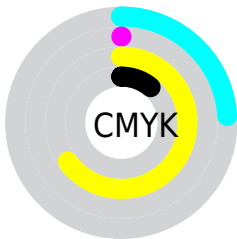
Distribution



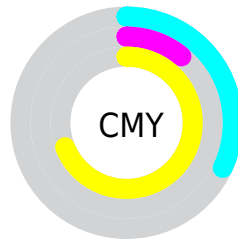
- Red (68%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (52%)



- Cyan (24%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)



- Cyan (32%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3869, 0.3606, 0.5034 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 64.3869, 0.3606, 0.5034 by changing the saturation by 10% instead.

 64.3869, 0.3606,
0.5034


 64.3869, 0.3606,
0.5034


440.5855, 0.3441,
0.4187


 46.9641, 0.3622,
0.5226


 111.1679, 0.3565,
0.4739

 33.0073, 0.3628,
0.5459


 141.2950, 0.3544,
0.4624


 22.1320, 0.3612,
0.5741


 176.4256, 0.3523,
0.4525

 13.9539, 0.3553,
0.6082

 216.9441, 0.3504,
0.4439

 8.0886, 0.3442,
0.6558

 263.2350, 0.3487,
0.4364

 4.1517, 0.3073,
0.6927

315.6826, 0.3470,

 1.7588, 0.2357,

0.4298

0.7643

374.6713, 0.3455,
0.4240

0.4613, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3869, 0.3606,
0.5034

64.3869, 0.3606,
0.5034

63.1990, 0.3622,
0.5243

65.7518, 0.3567,
0.4788

62.1664, 0.3613,
0.5405


67.2964, 0.3508,
0.4516

61.2761, 0.3581,
0.5515


69.0338, 0.3434,
0.4234


60.8869, 0.3560,
0.5556


70.9732, 0.3351,
0.3951

 73.1233, 0.3263,
0.3677

 75.4921, 0.3173,
0.3418

 78.0870, 0.3085,
0.3177

 80.5489, 0.3034,
0.3010

 82.0243, 0.3089,
0.3015

Harmonies

Analogous

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



64.3869, 0.4399, 0.4679



64.3869, 0.3606, 0.5034



64.3869, 0.2735, 0.4723

Triad

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



64.3869, 0.3606, 0.5034



64.3869, 0.1591, 0.2176



64.3869, 0.4273, 0.2780

Complementary

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



64.3869, 0.3606, 0.5034



16.1218, 0.2253, 0.1380

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.



64.3869, 0.3320, 0.2283



64.3869, 0.3606, 0.5034



64.3869, 0.1857, 0.1933

Square

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



64.3869, 0.3606, 0.5034



64.3869, 0.1635, 0.2787



64.3869, 0.2442, 0.1984



64.3869, 0.4887, 0.3393

Rectangle

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



64.3869, 0.3606, 0.5034



64.3869, 0.2227, 0.4123



64.3869, 0.2442, 0.1984



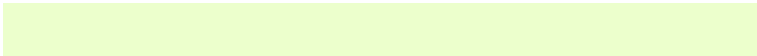
64.3869, 0.3971, 0.2597

Sweetspot

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



64.3898, 0.3606, 0.5034



93.7826, 0.3307, 0.3811



33.0746, 0.4796, 0.3852



19.9061, 0.3332, 0.3889



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.



64.3898, 0.3606, 0.5034



81.8119, 0.3622, 0.5302



58.2786, 0.3133, 0.5328



16.5408, 0.3212, 0.3526



35.5795, 0.3569, 0.5548



2.6813, 0.3660, 0.5476

Inverse Universe

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



16.1218, 0.2253, 0.1380



14.6943, 0.2046, 0.1056



24.0893, 0.2964, 0.1709



14.1416, 0.3037, 0.3051



4.3606, 0.1792, 0.0761



0.3734, 0.1955, 0.0850

Previews

White Background



This preview shows how the Yxy color 64.3869, 0.3606, 0.5034 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 64.3869, 0.3606, 0.5034 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 64.3869, 0.3606, 0.5034

Background



This preview shows how black text looks on a background with the Yxy color 64.3869, 0.3606, 0.5034.



This preview shows how white text looks on a background with the Yxy color 64.3869, 0.3606, 0.5034.

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

64.3869, 0.3606, 0.5034

Protanopia

64.0800, 0.4216, 0.4641

Deuteranopia

63.6727, 0.4263, 0.4198



Tritanopia

63.8205, 0.2868, 0.3093

Trichromacy



Original Color

64.3869, 0.3606, 0.5034

Protanomaly

63.6306, 0.3987, 0.4785

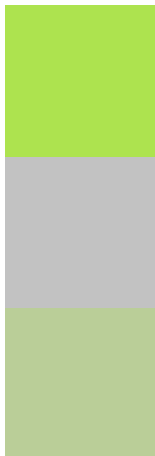
Deuteranomaly

62.9826, 0.4021, 0.4498

Tritanomaly

62.8720, 0.3174, 0.3822

Monochromacy



Original Color

64.3869, 0.3606, 0.5034

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

56.8487, 0.3356, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3869, 0.3606, 0.5034 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(173, 227, 79)` looks like.

```
.text, #text, p{  
    color:rgb(173, 227, 79)  
}
```

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(173, 227, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 227, 79) }
```

Border

The CSS property to change the border of an element to Yxy 64.3869, 0.3606, 0.5034 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(173, 227, 79) }
```

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

```
.border{ border-color:rgb(173, 227, 79) }
```

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

Here you see how a box with a 4 pixel rgb(173, 227, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 227, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 227, 79);  
box-shadow:4px 4px 4px 4px rgb(173, 227,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3869, 0.3606, 0.5034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 227, 79) }
```

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

```
.background{ background-color: rgb(173,  
227, 79) }
```

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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