

Converting Colors

$Yxy(49.6018, 0.3632, 0.5001)$

Have a look what the booklet for
Yxy(49.6018, 0.3632, 0.5001)
contains.

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Color

Yxy(49.3963, 0.3632, 0.4993)

Conversions

Conversions Part 1

Format	Color
Hex	9DC947
RGB	157, 201, 71
RGB Percent	62%, 79%, 28%
CMY	0.3842, 0.2118, 0.7215
CMYK	0.22, 0.00, 0.65, 0.21
HSL	80°, 55%, 53%
HSV	80°, 65%, 79%
XYZ	35.9318, 49.3963, 13.6030
YIQ	173.0240, 15.5060, -49.7580

Conversions

Conversions Part 2

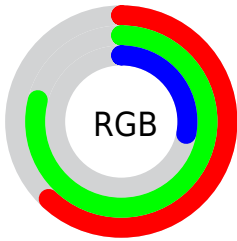
Format	Color
RYB	71, 201, 115
Decimal	10340679
CIELab	75.70, -33.71, 58.12
CIELCh	76, 67.187, 120.117
Yxy	49.3963, 0.3632, 0.4993
Android (android.graphics.Color)	4288530759 (0xFF9DC947)
YUV	173.0240, -50.2978, -14.0530
Hunter-Lab	70.2825, -31.7366, 37.7223

Details

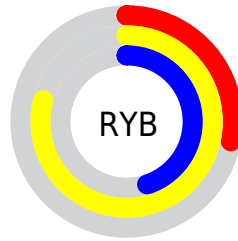
The Yxy color **49.3963, 0.3632, 0.4993** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.3691, 0.2236, 0.1392**, and the grayscale version is **42.0611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2968, 0.3589, 0.4663**, and **23.7010, 0.3664, 0.5450** is the 20% darker color. If you saturate the color by 10%, you get **48.5164, 0.3655, 0.5200**, and if you desaturate by 10%, it is **50.4040, 0.3586, 0.4750**.

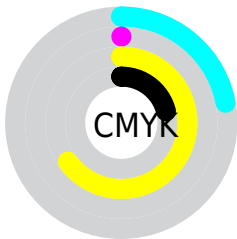
Distribution



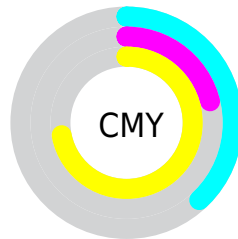
- Red (62%)
- Green (79%)
- Blue (28%)



- Red (28%)
- Yellow (79%)
- Blue (45%)



- Cyan (22%)
- Magenta (0%)
- Yellow (65%)
- Black (21%)




- Cyan (38%)
- Magenta (21%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3963, 0.3632, 0.4993 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 49.3963, 0.3632, 0.4993 by changing the saturation by 10% instead.


 49.3963, 0.3632,
0.4993

 49.3963, 0.3632,
0.4993


384.3004, 0.3440,
0.4130


 34.9340, 0.3654,
0.5199


 89.2798, 0.3580,
0.4684


 23.6120, 0.3665,
0.5452


 115.4697, 0.3555,
0.4566

 15.0461, 0.3649,
0.5765


 146.3375, 0.3532,
0.4465

 8.8517, 0.3613,
0.6218


 182.2678, 0.3510,
0.4379

 4.6446, 0.3376,
0.6624

 223.6448, 0.3490,
0.4304

 2.0403, 0.2889,
0.7111

270.8530, 0.3472,

 0.6307, 0.0000,

0.4239

1.0000

324.2767, 0.3455,
0.4181

■ 0.0000, 0.0000,
0.0000

■ 49.3963, 0.3632,
0.4993

■ 49.3963, 0.3632,
0.4993

■ 48.5164, 0.3655,
0.5200

■ 50.4040, 0.3586,
0.4750

■ 47.7484, 0.3653,
0.5361

■ 51.5411, 0.3522,
0.4484

■ 47.0830, 0.3626,
0.5473

■ 52.8171, 0.3443,
0.4207

■ 46.7594, 0.3606,
0.5518

■ 54.2388, 0.3356,
0.3929

■ 55.8124, 0.3264,
0.3659

■ 57.5436, 0.3170,
0.3404

■ 59.4379, 0.3079,
0.3166

■ 61.5004, 0.2991,
0.2947

■ 63.7360, 0.2907,
0.2748

Harmonies

Analogous

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



49.3963, 0.4403, 0.4637



49.3963, 0.3632, 0.4993



49.3963, 0.2776, 0.4712

Triad

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



49.3963, 0.3632, 0.4993



49.3963, 0.1613, 0.2213



49.3963, 0.4219, 0.2771

Complementary

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



49.3963, 0.3632, 0.4993



12.3691, 0.2236, 0.1392

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.



49.3963, 0.3283, 0.2287



49.3963, 0.3632, 0.4993



49.3963, 0.1865, 0.1960

Square

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



49.3963, 0.3632, 0.4993



49.3963, 0.1669, 0.2829



49.3963, 0.2430, 0.2000



49.3963, 0.4838, 0.3373

Rectangle

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



49.3963, 0.3632, 0.4993



49.3963, 0.2270, 0.4139



49.3963, 0.2430, 0.2000



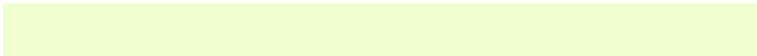
49.3963, 0.3921, 0.2592

Sweetspot

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



49.3985, 0.3632, 0.4993



94.2855, 0.3306, 0.3782



24.9842, 0.4783, 0.3820



20.0155, 0.3333, 0.3860



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.



49.3985, 0.3632, 0.4993



82.4605, 0.3657, 0.5277



44.5386, 0.3148, 0.5289



12.2304, 0.3214, 0.3522



29.4526, 0.3615, 0.5512



1.4333, 0.3738, 0.5414

Inverse Universe

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



12.3691, 0.2236, 0.1392



14.2981, 0.2008, 0.1037



18.3486, 0.2942, 0.1716



10.4589, 0.3035, 0.3055



3.4699, 0.1761, 0.0744



0.2043, 0.2002, 0.0876

Previews

White Background



This preview shows how the Yxy color 49.3963, 0.3632, 0.4993 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 49.3963, 0.3632, 0.4993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

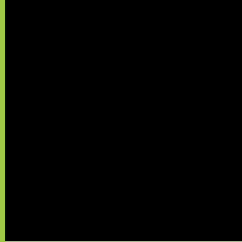
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3963, 0.3632, 0.4993

Background



This preview shows how black text looks on a background with the Yxy color 49.3963, 0.3632, 0.4993.



This preview shows how white text looks on a background with the Yxy color 49.3963, 0.3632, 0.4993.

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

49.3963, 0.3632, 0.4993

Protanopia

48.9330, 0.4209, 0.4620

Deuteranopia

48.9977, 0.4421, 0.4325



Tritanopia

49.1625, 0.2898, 0.3097

Trichromacy



Original Color

49.3963, 0.3632, 0.4993

Protanomaly

48.4978, 0.3992, 0.4762

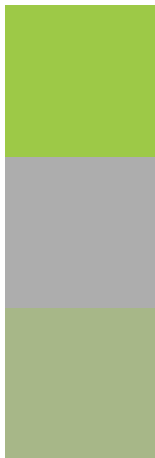
Deuteranomaly

48.4770, 0.4124, 0.4568

Tritanomaly

48.7220, 0.3200, 0.3809

Monochromacy



Original Color

49.3963, 0.3632, 0.4993

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.8600, 0.3363, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3963, 0.3632, 0.4993 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(157, 201, 71)` looks like.

```
.text, #text, p{  
    color:rgb(157, 201, 71)  
}
```

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(157, 201, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 201, 71) }
```

Border

The CSS property to change the border of an element to Yxy 49.3963, 0.3632, 0.4993 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(157, 201, 71) }
```

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

```
.border{ border-color:rgb(157, 201, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 201, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 201, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 201, 71);  
box-shadow:4px 4px 4px 4px rgb(157, 201,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3963, 0.3632, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 201, 71) }
```

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

```
.background{ background-color: rgb(157,  
201, 71) }
```

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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