

Converting Colors

$Y_{xy}(49.2727, 0.2977, 0.5331)$

Have a look what the booklet for
Yxy(49.2727, 0.2977, 0.5331)
contains.

Yxy(49.3610, 0.2976, 0.5332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3610, 0.2976, 0.5332)

Conversions

Conversions Part 1

Format	Color
Hex	43D550
RGB	67, 213, 80
RGB Percent	26%, 84%, 31%
CMY	0.7377, 0.1647, 0.6863
CMYK	0.69, 0.00, 0.62, 0.16
HSL	125°, 64%, 55%
HSV	125°, 69%, 84%
XYZ	27.5503, 49.3610, 15.6637
YIQ	154.1840, -44.3230, -72.3150

Conversions

Conversions Part 2

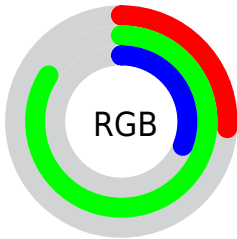
Format	Color
RYB	67, 201, 213
Decimal	4445520
CIELab	75.68, -64.25, 53.27
CIELCh	76, 83.459, 140.340
Yxy	49.3610, 0.2976, 0.5332
Android (android.graphics.Color)	4282635600 (0xFF43D550)
YUV	154.1840, -36.5727, -76.4604
Hunter-Lab	70.2574, -52.9545, 35.9616

Details

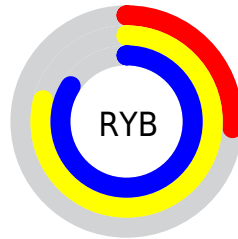
The Yxy color **49.3610, 0.2976, 0.5332** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.3124, 0.3351, 0.1876**, and the grayscale version is **32.5640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2278, 0.3051, 0.4799**, and **24.1719, 0.2965, 0.5873** is the 20% darker color. If you saturate the color by 10%, you get **48.4987, 0.2972, 0.5600**, and if you desaturate by 10%, it is **50.5866, 0.2988, 0.5020**.

Distribution



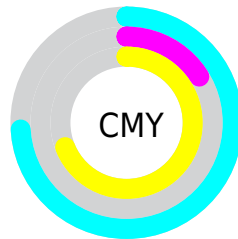
- Red (26%)
- Green (84%)
- Blue (31%)



- Red (26%)
- Yellow (79%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (62%)
- Black (16%)





- Cyan (74%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3610, 0.2976, 0.5332 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 49.3610, 0.2976, 0.5332 by changing the saturation by 10% instead.

 49.3610, 0.2976,
0.5332

 49.3610, 0.2976,
0.5332


384.1618, 0.3118,
0.4242

 34.9059, 0.2916,
0.5615


 89.2274, 0.3046,
0.4925


 23.5904, 0.2823,
0.5978


 115.4075, 0.3066,
0.4775


 15.0301, 0.2674,
0.6452


 146.2647, 0.3082,
0.4649

 8.8405, 0.2433,
0.7104

 182.1835, 0.3093,
0.4542

 4.6373, 0.2012,
0.7988

 223.5482, 0.3102,
0.4451

 2.0361, 0.0382,
0.9618

270.7432, 0.3109,

 0.6283, 0.0000,

0.4372

1.0000

324.1529, 0.3114,
0.4303

■ 0.0000, 0.0000,
0.0000

■ 49.3610, 0.2976,
0.5332

■ 49.3610, 0.2976,
0.5332

■ 48.4987, 0.2972,
0.5600

■ 50.5866, 0.2988,
0.5020

■ 47.9542, 0.2976,
0.5804

■ 52.2031, 0.3006,
0.4687


■ 47.6715, 0.2985,
0.5934

■ 54.2423, 0.3029,
0.4355


■ 47.6425, 0.2985,
0.5947

■ 56.7313, 0.3054,
0.4039

■ 59.6947, 0.3080,
0.3749

 63.1553, 0.3106,
0.3489

 67.1346, 0.3131,
0.3260

 71.6528, 0.3154,
0.3061

 76.0425, 0.3150,
0.2886

Harmonies

Analogous

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



49.3610, 0.3987, 0.5273



49.3610, 0.2976, 0.5332



49.3610, 0.2055, 0.4355

Triad

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



49.3610, 0.2976, 0.5332



49.3610, 0.1501, 0.1760



49.3610, 0.5065, 0.3099

Complementary

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



49.3610, 0.2976, 0.5332



22.3124, 0.3351, 0.1876

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.



49.3610, 0.4108, 0.2450



49.3610, 0.2976, 0.5332



49.3610, 0.2022, 0.1720

Square

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



49.3610, 0.2976, 0.5332



49.3610, 0.1325, 0.2153



49.3610, 0.2931, 0.1962



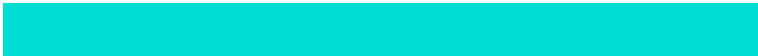
49.3610, 0.5308, 0.3822

Rectangle

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



49.3610, 0.2976, 0.5332



49.3610, 0.1629, 0.3447



49.3610, 0.2931, 0.1962



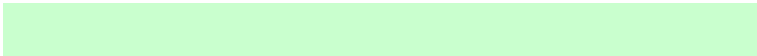
49.3610, 0.4809, 0.2872

Sweetspot

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



49.3630, 0.2976, 0.5332



88.4688, 0.3073, 0.3822



60.3934, 0.3952, 0.4886



18.6658, 0.3066, 0.3902



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.



49.3630, 0.2976, 0.5332



72.4764, 0.2973, 0.5696



51.0549, 0.2631, 0.4227



13.9139, 0.3104, 0.3509



29.1047, 0.2982, 0.5935



1.7618, 0.2930, 0.5749

Inverse Universe

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



22.3124, 0.3351, 0.1876



29.2753, 0.3399, 0.1734



19.6998, 0.4419, 0.2612



12.6126, 0.3151, 0.3081



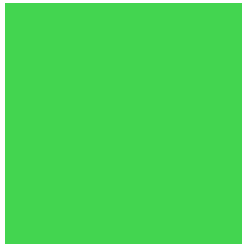
11.0247, 0.3447, 0.1673



0.6707, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 49.3610, 0.2976, 0.5332 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 49.3610, 0.2976, 0.5332 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 49.3610, 0.2976, 0.5332

Background



This preview shows how black text looks on a background with the Yxy color 49.3610, 0.2976, 0.5332.

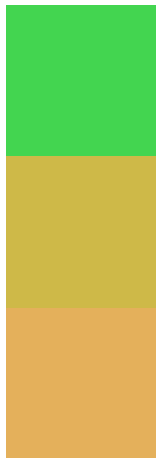


This preview shows how white text looks on a background with the Yxy color 49.3610, 0.2976, 0.5332.

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

49.3610, 0.2976, 0.5332

Protanopia

48.2876, 0.4172, 0.4582

Deuteranopia

48.3000, 0.4322, 0.4225



Tritanopia

49.2697, 0.2421, 0.3068

Trichromacy



Original Color

49.3610, 0.2976, 0.5332



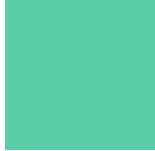
Protanomaly

46.5068, 0.3625, 0.4914



Deuteranomaly

45.5183, 0.3714, 0.4660



Tritanomaly

48.6768, 0.2628, 0.3863

Monochromacy



Original Color

49.3610, 0.2976, 0.5332



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.3298, 0.3049, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3610, 0.2976, 0.5332 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(67, 213, 80)` looks like.

```
.text, #text, p{  
  color:rgb(67, 213, 80)  
}
```

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(67, 213, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 213, 80) }
```

Border

The CSS property to change the border of an element to Yxy 49.3610, 0.2976, 0.5332 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(67, 213, 80) }
```

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

```
.border{ border-color:rgb(67, 213, 80) }
```

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

Here you see how a box with a 4 pixel rgb(67, 213, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 213, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 213, 80);  
box-shadow:4px 4px 4px 4px rgb(67, 213,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3610, 0.2976, 0.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 213, 80) }
```

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

```
.background{ background-color: rgb(67, 213,  
80) }
```

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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