

Converting Colors

$Y_{xy}(49.7064, 0.3095, 0.5568)$

Have a look what the booklet for
Yxy(49.7064, 0.3095, 0.5568)
contains.

Yxy(49.9152, 0.3097, 0.5573)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.9152, 0.3097, 0.5573)

Conversions

Conversions Part 1

Format	Color
Hex	4CD638
RGB	76, 214, 56
RGB Percent	30%, 84%, 22%
CMY	0.7021, 0.1608, 0.7804
CMYK	0.65, 0.00, 0.74, 0.16
HSL	112°, 66%, 53%
HSV	112°, 74%, 84%
XYZ	27.7386, 49.9152, 11.9123
YIQ	154.7260, -31.5300, -78.3940

Conversions

Conversions Part 2

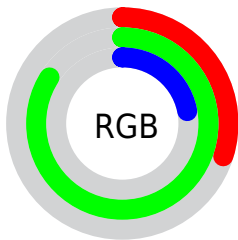
Format	Color
RYB	56, 214, 194
Decimal	5035576
CIELab	76.02, -64.97, 63.00
CIELCh	76, 90.497, 135.885
Yxy	49.9152, 0.3097, 0.5573
Android (android.graphics.Color)	4283225656 (0xFF4CD638)
YUV	154.7260, -48.6719, -69.0427
Hunter-Lab	70.6507, -53.5567, 39.4587

Details

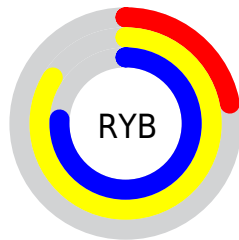
The Yxy color **49.9152, 0.3097, 0.5573** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **19.1568, 0.2974, 0.1591**, and the grayscale version is **32.8771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2877, 0.3177, 0.5020**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.0935, 0.3072, 0.5789**, and if you desaturate by 10%, it is **51.0529, 0.3118, 0.5290**.

Distribution



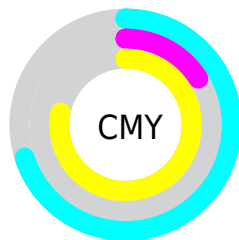
- Red (30%)
- Green (84%)
- Blue (22%)



- Red (22%)
- Yellow (84%)
- Blue (76%)



- Cyan (65%)
- Magenta (0%)
- Yellow (74%)
- Black (16%)





- Cyan (70%)
- Magenta (16%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9152, 0.3097, 0.5573 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 49.9152, 0.3097, 0.5573 by changing the saturation by 10% instead.


 49.9152, 0.3097,
0.5573


 49.9152, 0.3097,
0.5573


386.3342, 0.3203,
0.4368

 35.3460, 0.3036,
0.5874


 90.0492, 0.3161,
0.5130


 23.9295, 0.2937,
0.6250


 116.3829, 0.3177,
0.4964


 15.2814, 0.2771,
0.6722


 147.4068, 0.3188,
0.4825

 9.0171, 0.2540,
0.7460

 183.5053, 0.3195,
0.4706

 4.7523, 0.2004,
0.7996

 225.0630, 0.3199,
0.4604

 2.1027, 0.0451,
0.9549

272.4641, 0.3201,

 0.6661, 0.0000,

0.4515

1.0000

326.0930, 0.3203,
0.4437

■ 0.0000, 0.0000,
0.0000

■ 49.9152, 0.3097,
0.5573

■ 49.9152, 0.3097,
0.5573

■ 49.0935, 0.3072,
0.5789

■ 51.0529, 0.3118,
0.5290

■ 48.5494, 0.3044,
0.5925

■ 52.5281, 0.3132,
0.4964

■ 48.3304, 0.3030,
0.5976

■ 54.3673, 0.3141,
0.4618


■ 56.5929, 0.3144,
0.4275

■ 59.2252, 0.3142,
0.3950

 62.2832, 0.3138,
0.3652

 65.7848, 0.3130,
0.3384

 69.7468, 0.3122,
0.3148

 74.1849, 0.3112,
0.2942

Harmonies

Analogous

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



49.9152, 0.4159, 0.5310



49.9152, 0.3097, 0.5573



49.9152, 0.2094, 0.4665

Triad

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



49.9152, 0.3097, 0.5573



49.9152, 0.1361, 0.1701



49.9152, 0.5103, 0.2960

Complementary

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



49.9152, 0.3097, 0.5573



19.1568, 0.2974, 0.1591

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.



49.9152, 0.3989, 0.2304



49.9152, 0.3097, 0.5573



49.9152, 0.1843, 0.1617

Square

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



49.9152, 0.3097, 0.5573



49.9152, 0.1226, 0.2167



49.9152, 0.2740, 0.1829



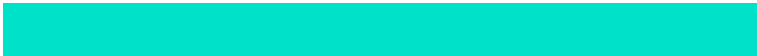
49.9152, 0.5472, 0.3699

Rectangle

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



49.9152, 0.3097, 0.5573



49.9152, 0.1608, 0.3663



49.9152, 0.2740, 0.1829



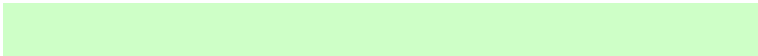
49.9152, 0.4791, 0.2729

Sweetspot

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



49.9173, 0.3097, 0.5573



88.7594, 0.3142, 0.3900



52.6954, 0.4256, 0.4722



18.7495, 0.3143, 0.3985



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.



49.9173, 0.3097, 0.5573



72.4662, 0.3055, 0.5881



50.1506, 0.2790, 0.4872



13.9704, 0.3135, 0.3530



29.2352, 0.3035, 0.5972



1.7887, 0.3120, 0.5904

Inverse Universe

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



19.1568, 0.2974, 0.1591



24.2722, 0.2922, 0.1421



19.5275, 0.3991, 0.2217



12.5494, 0.3118, 0.3059



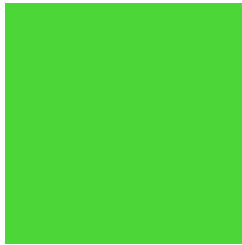
9.3480, 0.2894, 0.1368



0.5866, 0.2952, 0.1400

Previews

White Background



This preview shows how the Yxy color 49.9152, 0.3097, 0.5573 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 49.9152, 0.3097, 0.5573 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 49.9152, 0.3097, 0.5573

Background



This preview shows how black text looks on a background with the Yxy color 49.9152, 0.3097, 0.5573.



This preview shows how white text looks on a background with the Yxy color 49.9152, 0.3097, 0.5573.

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

49.9152, 0.3097, 0.5573

Protanopia

48.8949, 0.4299, 0.4733

Deuteranopia

49.0550, 0.4477, 0.4381



Tritanopia

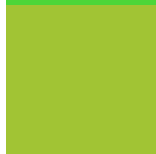
49.7771, 0.2459, 0.3071

Trichromacy



Original Color

49.9152, 0.3097, 0.5573



Protanomaly

47.3049, 0.3774, 0.5092



Deuteranomaly

46.3342, 0.3880, 0.4849



Tritanomaly

48.8406, 0.2723, 0.3999

Monochromacy



Original Color

49.9152, 0.3097, 0.5573



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.8182, 0.3142, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9152, 0.3097, 0.5573 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(76, 214, 56)` looks like.

```
.text, #text, p{  
    color:rgb(76, 214, 56)  
}
```

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(76, 214, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 214, 56) }
```

Border

The CSS property to change the border of an element to Yxy 49.9152, 0.3097, 0.5573 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(76, 214, 56) }
```

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

```
.border{ border-color:rgb(76, 214, 56) }
```

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

Here you see how a box with a 4 pixel rgb(76, 214, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 214, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 214, 56);  
box-shadow:4px 4px 4px 4px rgb(76, 214,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9152, 0.3097, 0.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 214, 56) }
```

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

```
.background{ background-color: rgb(76, 214,  
56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor