

Converting Colors

Yxy(49.8163, 0.3141, 0.5867)

Have a look what the booklet for
Yxy(49.8163, 0.3141, 0.5867)
contains.

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Color

Yxy(49.8095, 0.3140, 0.5869)

Conversions

Conversions Part 1

Format	Color
Hex	43D707
RGB	67, 215, 7
RGB Percent	26%, 84%, 3%
CMY	0.7376, 0.1568, 0.9725
CMYK	0.69, 0.00, 0.97, 0.16
HSL	103°, 94%, 44%
HSV	103°, 97%, 84%
XYZ	26.6488, 49.8095, 8.4105
YIQ	147.0360, -21.4400, -96.0640

Conversions

Conversions Part 2

Format	Color
RYB	7, 215, 155
Decimal	4445959
CIELab	75.95, -69.09, 73.36
CIELCh	76, 100.776, 133.283
Yxy	49.8095, 0.3140, 0.5869
Android (android.graphics.Color)	4282636039 (0xFF43D707)
YUV	147.0360, -69.0377, -70.1916
Hunter-Lab	70.5758, -56.1077, 42.3375

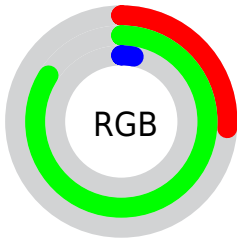
Details

The Yxy color **49.8095, 0.3140, 0.5869** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **12.0400, 0.2509, 0.1167**, and the grayscale version is **29.4827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3428, 0.3249, 0.5297**, and **24.7963, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.6274, 0.3125, 0.5901**, and if you desaturate by 10%, it is **50.4962, 0.3187, 0.5744**.

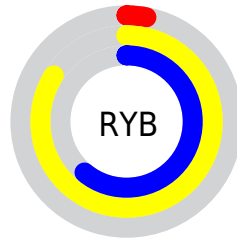
Distribution



Red (26%)

Green (84%)

Blue (3%)



Red (3%)

Yellow (84%)

Blue (61%)

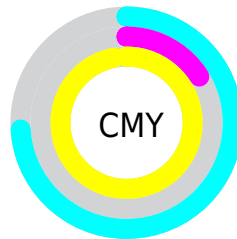


Cyan (69%)

Magenta (0%)

Yellow (97%)

Black (16%)



Cyan (74%)


Magenta (16%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8095, 0.3140, 0.5869 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 49.8095, 0.3140, 0.5869 by changing the saturation by 10% instead.


 49.8095, 0.3140,
0.5869


 49.8095, 0.3140,
0.5869


385.9205, 0.3261,
0.4524


 35.2621, 0.3062,
0.6189


 89.8926, 0.3219,
0.5384


 23.8648, 0.2935,
0.6577


 116.1970, 0.3238,
0.5199


 15.2334, 0.2738,
0.7072


 147.1891, 0.3250,
0.5043

 8.9833, 0.2391,
0.7609

 183.2535, 0.3257,
0.4908

 4.7303, 0.1832,
0.8168

 224.7744, 0.3260,
0.4792

 2.0899, 0.0000,
1.0000


 272.1363, 0.3262,


 0.6589, 0.0000,


0.4691

1.0000

325.7235, 0.3262,
0.4603

 0.0000, 0.0000,
0.0000


 49.8095, 0.3140,
0.5869

 49.8095, 0.3140,
0.5869


 49.6274, 0.3125,
0.5901

 50.4962, 0.3187,
0.5744

 51.4072, 0.3224,
0.5549

 52.5679, 0.3247,
0.5293

 53.9976, 0.3256,
0.4994

 55.7138, 0.3251,
0.4671

■ 57.7318, 0.3235,
0.4344

■ 60.0663, 0.3211,
0.4026

■ 62.7307, 0.3182,
0.3729

■ 65.7376, 0.3150,
0.3458

Harmonies

Analogous

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



49.8095, 0.4280, 0.5394



49.8095, 0.3140, 0.5869



49.8095, 0.2052, 0.4986

Triad

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



49.8095, 0.3140, 0.5869



49.8095, 0.1203, 0.1590



49.8095, 0.5237, 0.2838

Complementary

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



49.8095, 0.3140, 0.5869



12.0400, 0.2509, 0.1167

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.



49.8095, 0.3948, 0.2160



49.8095, 0.3140, 0.5869



49.8095, 0.1671, 0.1483

Square

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



49.8095, 0.3140, 0.5869



49.8095, 0.1086, 0.2111



49.8095, 0.2588, 0.1682



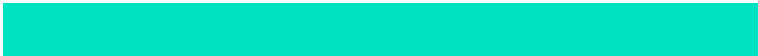
49.8095, 0.5696, 0.3600

Rectangle

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



49.8095, 0.3140, 0.5869



49.8095, 0.1515, 0.3836



49.8095, 0.2588, 0.1682



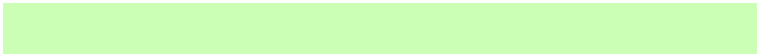
49.8095, 0.4869, 0.2599

Sweetspot

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



49.8116, 0.3140, 0.5869



87.4626, 0.3218, 0.4106



37.1202, 0.4816, 0.4538



18.4027, 0.3229, 0.4242



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.



49.8116, 0.3140, 0.5869



72.9530, 0.3120, 0.5905



48.8700, 0.2941, 0.5764



14.0674, 0.3159, 0.3528



29.7270, 0.3134, 0.5893



1.8350, 0.3266, 0.5789

Inverse Universe

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



12.0400, 0.2509, 0.1167



17.1137, 0.2478, 0.1139



17.6342, 0.3773, 0.1864



12.4448, 0.3092, 0.3057



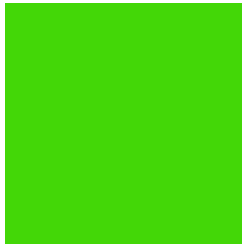
7.0471, 0.2495, 0.1148



0.4663, 0.2623, 0.1219

Previews

White Background



This preview shows how the Yxy color 49.8095, 0.3140, 0.5869 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 49.8095, 0.3140, 0.5869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

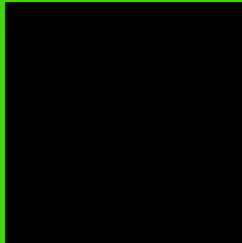
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8095, 0.3140, 0.5869

Background



This preview shows how black text looks on a background with the Yxy color 49.8095, 0.3140, 0.5869.



This preview shows how white text looks on a background with the Yxy color 49.8095, 0.3140, 0.5869.

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

49.8095, 0.3140, 0.5869

Protanopia

48.6731, 0.4403, 0.4886

Deuteranopia

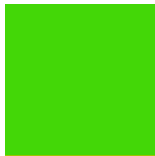
48.5716, 0.4614, 0.4517



Tritanopia

49.5176, 0.2440, 0.3069

Trichromacy



Original Color

49.8095, 0.3140, 0.5869



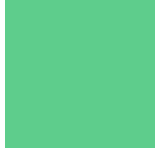
Protanomaly

47.1072, 0.3834, 0.5330



Deuteranomaly

45.8154, 0.3988, 0.5088



Tritanomaly

47.9358, 0.2796, 0.4298

Monochromacy



Original Color

49.8095, 0.3140, 0.5869



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.2011, 0.3248, 0.4565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8095, 0.3140, 0.5869 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, 215, 7)` looks like.

```
.text, #text, p{  
    color:rgb(67, 215, 7)  
}
```

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, 215, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 215, 7) }
```

Border

The CSS property to change the border of an element to Yxy 49.8095, 0.3140, 0.5869 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, 215, 7) }
```

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

```
.border{ border-color:rgb(67, 215, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 215, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 215, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 215, 7);  
box-shadow:4px 4px 4px 4px rgb(67, 215, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 49.8095, 0.3140, 0.5869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 215, 7) }
```

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

```
.background{ background-color: rgb(67, 215,  
7) }
```

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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