

Converting Colors

$Y_{xy}(43.9935, 0.2764, 0.5149)$

Have a look what the booklet for
Yxy(43.9935, 0.2764, 0.5149)
contains.

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Color

Yxy(43.9939, 0.2764, 0.5149)

Conversions

Conversions Part 1

Format	Color
Hex	00CC5E
RGB	0, 204, 94
RGB Percent	0%, 80%, 37%
CMY	0.9985, 0.2000, 0.6314
CMYK	1.00, 0.00, 0.54, 0.20
HSL	148°, 100%, 40%
HSV	148°, 100%, 80%
XYZ	23.6161, 43.9939, 17.8317
YIQ	130.4640, -86.2740, -77.4580

Conversions

Conversions Part 2

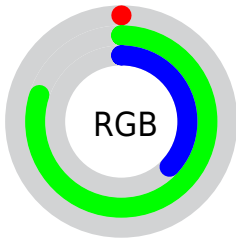
Format	Color
RYB	0, 140, 204
Decimal	52318
CIELab	72.22, -65.94, 42.69
CIELCh	72, 78.554, 147.083
Yxy	43.9939, 0.2764, 0.5149
Android (android.graphics.Color)	4278242398 (0xFF00CC5E)
YUV	130.4640, -17.9768, -114.4169
Hunter-Lab	66.3279, -52.5188, 30.4899

Details

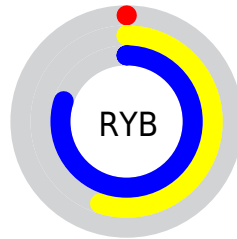
The Yxy color **43.9939, 0.2764, 0.5149** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.9805, 0.4797, 0.2418**, and the grayscale version is **22.6274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4514, 0.2855, 0.4694**, and **21.3542, 0.2886, 0.5589** is the 20% darker color. If you saturate the color by 10%, you get **43.9893, 0.2765, 0.5153**, and if you desaturate by 10%, it is **44.3625, 0.2733, 0.4959**.

Distribution



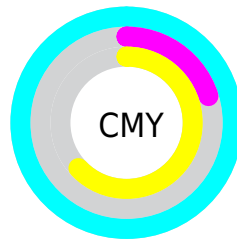
- Red (0%)
- Green (80%)
- Blue (37%)



- Red (0%)
- Yellow (55%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9939, 0.2764, 0.5149 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 43.9939, 0.2764, 0.5149 by changing the saturation by 10% instead.

 43.9939, 0.2764,
0.5149

 43.9939, 0.2764,
0.5149

362.6834, 0.2999,
0.4130


 30.6657, 0.2685,
0.5428


 81.2086, 0.2864,
0.4759


 20.3444, 0.2572,
0.5796

 105.8638, 0.2897,
0.4619

 12.6457, 0.2399,
0.6299


 135.0636, 0.2923,
0.4502

 7.1850, 0.2119,
0.7004

 169.1922, 0.2944,
0.4404

 3.5781, 0.1692,
0.8308

 208.6341, 0.2961,
0.4320

 1.4405, 0.0000,
1.0000

253.7737, 0.2976,

 0.2463, 0.0000,

0.4248

1.0000

304.9953, 0.2988,
0.4185

■ 0.0000, 0.0000,
0.0000

■ 43.9939, 0.2764,
0.5149

■ 43.9939, 0.2764,
0.5149

■ 43.9893, 0.2765,
0.5153

■ 44.3625, 0.2733,
0.4959

■ 44.9223, 0.2718,
0.4757

■ 45.7300, 0.2723,
0.4546

■ 46.8160, 0.2746,
0.4334

■ 48.2061, 0.2786,
0.4127

■ 49.9233, 0.2840,
0.3929

■ 51.9879, 0.2904,
0.3745

■ 54.4188, 0.2976,
0.3576

■ 57.2334, 0.3051,
0.3424

Harmonies

Analogous

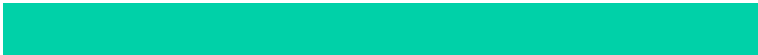
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9939, 0.3762, 0.5324



43.9939, 0.2764, 0.5149



43.9939, 0.1916, 0.4032

Triad

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



43.9939, 0.2764, 0.5149



43.9939, 0.1612, 0.1751



43.9939, 0.5147, 0.3263

Complementary

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



43.9939, 0.2764, 0.5149



13.9805, 0.4797, 0.2418

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.



43.9939, 0.4339, 0.2601



43.9939, 0.2764, 0.5149



43.9939, 0.2210, 0.1776

Square

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



43.9939, 0.2764, 0.5149



43.9939, 0.1365, 0.2052



43.9939, 0.3184, 0.2074



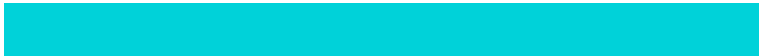
43.9939, 0.5219, 0.3991

Rectangle

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



43.9939, 0.2764, 0.5149



43.9939, 0.1557, 0.3170



43.9939, 0.3184, 0.2074



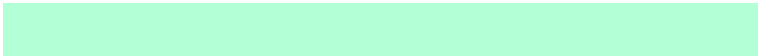
43.9939, 0.4950, 0.3033

Sweetspot

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



43.9957, 0.2764, 0.5149



85.8821, 0.2900, 0.3755



46.6557, 0.3433, 0.5655



18.0574, 0.2872, 0.3833



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

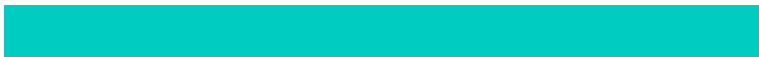
The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.9957, 0.2764, 0.5149



72.8094, 0.2771, 0.5175



47.0748, 0.2290, 0.3442



12.6213, 0.3054, 0.3418



27.7060, 0.2757, 0.5127



1.4446, 0.2652, 0.4748

Inverse Universe

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



13.9805, 0.4797, 0.2418



23.0888, 0.4827, 0.2433



12.8690, 0.6351, 0.3274



11.3134, 0.3207, 0.3165



8.8107, 0.4773, 0.2403



0.4698, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 43.9939, 0.2764, 0.5149 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 43.9939, 0.2764, 0.5149 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 43.9939, 0.2764, 0.5149

Background



This preview shows how black text looks on a background with the Yxy color 43.9939, 0.2764, 0.5149.



This preview shows how white text looks on a background with the Yxy color 43.9939, 0.2764, 0.5149.

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

43.9939, 0.2764, 0.5149

Protanopia

43.1759, 0.4045, 0.4431

Deuteranopia

43.1509, 0.4138, 0.4063



Tritanopia

43.8665, 0.2332, 0.3069

Trichromacy



Original Color

43.9939, 0.2764, 0.5149



Protanomaly

40.1075, 0.3319, 0.4817



Deuteranomaly

39.2021, 0.3359, 0.4544



Tritanomaly

42.9111, 0.2456, 0.3773

Monochromacy



Original Color

43.9939, 0.2764, 0.5149



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.6465, 0.2806, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9939, 0.2764, 0.5149 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(0, 204, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 94)  
}
```

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(0, 204, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 94) }
```

Border

The CSS property to change the border of an element to Yxy 43.9939, 0.2764, 0.5149 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(0, 204, 94) }
```

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

```
.border{ border-color:rgb(0, 204, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.9939, 0.2764, 0.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 94) }
```

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

```
.background{ background-color: rgb(0, 204,  
94) }
```

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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