

Converting Colors

$Yxy(34.1815, 0.1763, 0.5367)$

Have a look what the booklet for
Yxy(34.1815, 0.1763, 0.5367)
contains.

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Color

Yxy(39.5232, 0.2706, 0.4943)

Conversions

Conversions Part 1

Format	Color
Hex	00C265
RGB	0, 194, 101
RGB Percent	0%, 76%, 40%
CMY	1.0000, 0.2392, 0.6039
CMYK	1.00, 0.00, 0.48, 0.24
HSL	151°, 100%, 38%
HSV	151°, 100%, 76%
XYZ	21.6366, 39.5232, 18.7981
YIQ	125.3920, -85.7710, -70.0510

Conversions

Conversions Part 2

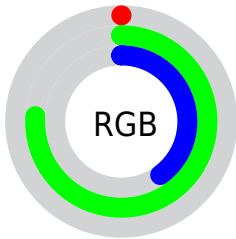
Format	Color
RYB	0, 128, 194
Decimal	49765
CIELab	69.13, -61.64, 35.41
CIELCh	69, 71.085, 150.124
Yxy	39.5232, 0.2706, 0.4943
Android (android.graphics.Color)	4278239845 (0xFF00C265)
YUV	125.3920, -12.0253, -109.9688
Hunter-Lab	62.8675, -48.5851, 26.2788

Details

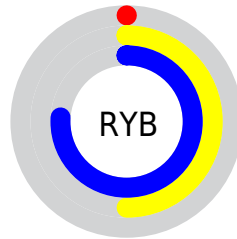
The Yxy color **39.5232, 0.2706, 0.4943** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.2612, 0.5054, 0.2558**, and the grayscale version is **20.7121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5734, 0.2814, 0.4592**, and **18.7132, 0.2822, 0.5361** is the 20% darker color. If you saturate the color by 10%, you get **39.5274, 0.2706, 0.4943**, and if you desaturate by 10%, it is **39.8627, 0.2679, 0.4767**.

Distribution



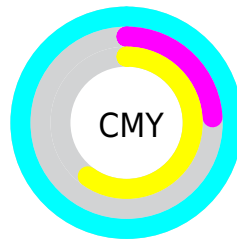
- Red (0%)
- Green (76%)
- Blue (40%)



- Red (0%)
- Yellow (50%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5232, 0.2706, 0.4943 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 39.5232, 0.2706, 0.4943 by changing the saturation by 10% instead.

 39.5232, 0.2706,
0.4943


 39.5232, 0.2706,
0.4943

344.1098, 0.2962,
0.4024


 27.1670, 0.2624,
0.5202


 74.4369, 0.2812,
0.4587

 17.6987, 0.2508,
0.5552


 97.7632, 0.2847,
0.4460


 10.7339, 0.2333,
0.6042


 125.5150, 0.2876,
0.4355

 5.8882, 0.2048,
0.6760

 158.0766, 0.2900,
0.4267

 2.7772, 0.1547,
0.8453

 195.8325, 0.2919,
0.4193

 1.0166, 0.0000,
1.0000

239.1671, 0.2936,

 0.0000, 0.0000,

0.4128

0.0000

288.4647, 0.2950,
0.4073

■ 39.5232, 0.2706,
0.4943

■ 39.5232, 0.2706,
0.4943

■ 39.5274, 0.2706,
0.4943

■ 39.8627, 0.2679,
0.4767

■ 40.3617, 0.2668,
0.4584

■ 41.0758, 0.2677,
0.4397

■ 42.0317, 0.2705,
0.4210

■ 43.2520, 0.2750,
0.4028

■ 44.7564, 0.2809,
0.3855

■ 46.5630, 0.2880,
0.3693

■ 48.6882, 0.2958,
0.3545

■ 51.1471, 0.3041,
0.3411

Harmonies

Analogous

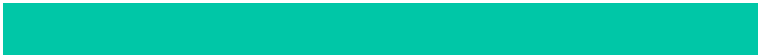
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5232, 0.3656, 0.5227



39.5232, 0.2706, 0.4943



39.5232, 0.1923, 0.3860

Triad

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



39.5232, 0.2706, 0.4943



39.5232, 0.1726, 0.1814



39.5232, 0.5068, 0.3350

Complementary

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



39.5232, 0.2706, 0.4943



12.2612, 0.5054, 0.2558

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.



39.5232, 0.4367, 0.2701



39.5232, 0.2706, 0.4943



39.5232, 0.2340, 0.1864

Square

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



39.5232, 0.2706, 0.4943



39.5232, 0.1455, 0.2075



39.5232, 0.3295, 0.2175



39.5232, 0.5082, 0.4056

Rectangle

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



39.5232, 0.2706, 0.4943



39.5232, 0.1602, 0.3078



39.5232, 0.3295, 0.2175



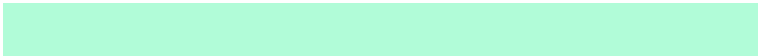
39.5232, 0.4905, 0.3126

Sweetspot

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



39.5274, 0.2706, 0.4943



84.1826, 0.2876, 0.3701



40.9555, 0.3341, 0.5729



18.1143, 0.2845, 0.3769



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.



39.5274, 0.2706, 0.4943



71.5538, 0.2714, 0.4969



41.0596, 0.2232, 0.3237



11.3444, 0.3047, 0.3403



26.0019, 0.2700, 0.4920



1.1373, 0.2590, 0.4523

Inverse Universe

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



12.2612, 0.5054, 0.2558



22.1609, 0.5089, 0.2577



11.5408, 0.6389, 0.3309



10.1565, 0.3216, 0.3180



8.0769, 0.5023, 0.2541



0.3629, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 39.5232, 0.2706, 0.4943 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 39.5232, 0.2706, 0.4943 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 39.5232, 0.2706, 0.4943

Background



This preview shows how black text looks on a background with the Yxy color 39.5232, 0.2706, 0.4943.



This preview shows how white text looks on a background with the Yxy color 39.5232, 0.2706, 0.4943.

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

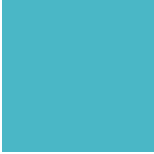
39.5232, 0.2706, 0.4943

Protanopia

38.9683, 0.3948, 0.4309

Deuteranopia

38.6632, 0.4025, 0.3948



Tritanopia

39.4000, 0.2325, 0.3059

Trichromacy



Original Color

39.5232, 0.2706, 0.4943



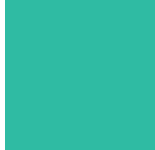
Protanomaly

36.0524, 0.3236, 0.4644



Deuteranomaly

35.1348, 0.3265, 0.4369



Tritanomaly

38.7893, 0.2431, 0.3690

Monochromacy



Original Color

39.5232, 0.2706, 0.4943



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.7791, 0.2777, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5232, 0.2706, 0.4943 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, 194, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 101)  
}
```

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, 194, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 101) }
```

Border

The CSS property to change the border of an element to Yxy 39.5232, 0.2706, 0.4943 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, 194, 101) }
```

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

```
.border{ border-color:rgb(0, 194, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5232, 0.2706, 0.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 101) }
```

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

```
.background{ background-color: rgb(0, 194,  
101) }
```

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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