

Converting Colors

$Y_{xy}(39.1107, 0.2786, 0.5230)$

Have a look what the booklet for
Yxy(39.1107, 0.2786, 0.5230)
contains.

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Color

Yxy(39.2237, 0.2787, 0.5232)

Conversions

Conversions Part 1

Format	Color
Hex	00C254
RGB	0, 194, 84
RGB Percent	0%, 76%, 33%
CMY	0.9988, 0.2392, 0.6707
CMYK	1.00, 0.00, 0.57, 0.24
HSL	146°, 100%, 38%
HSV	146°, 100%, 76%
XYZ	20.8938, 39.2237, 14.8513
YIQ	123.4540, -80.3140, -75.3380

Conversions

Conversions Part 2

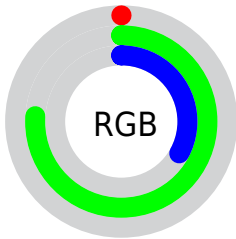
Format	Color
RYB	0, 135, 194
Decimal	49748
CIELab	68.91, -64.24, 43.45
CIELCh	69, 77.557, 145.928
Yxy	39.2237, 0.2787, 0.5232
Android (android.graphics.Color)	4278239828 (0xFF00C254)
YUV	123.4540, -19.4508, -108.2692
Hunter-Lab	62.6288, -50.0505, 29.7806

Details

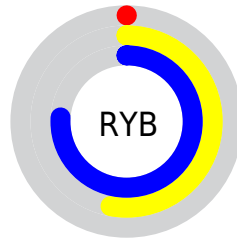
The Yxy color **39.2237, 0.2787, 0.5232** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **12.6086, 0.4676, 0.2350**, and the grayscale version is **20.0807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0510, 0.2889, 0.4818**, and **18.5695, 0.2920, 0.5711** is the 20% darker color. If you saturate the color by 10%, you get **39.2208, 0.2787, 0.5235**, and if you desaturate by 10%, it is **39.5554, 0.2756, 0.5038**.

Distribution



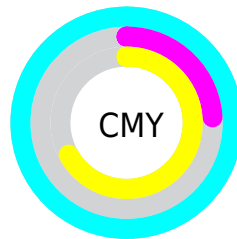
- Red (0%)
- Green (76%)
- Blue (33%)



- Red (0%)
- Yellow (53%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (24%)




- Cyan (100%)
- Magenta (24%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2237, 0.2787, 0.5232 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 39.2237, 0.2787, 0.5232 by changing the saturation by 10% instead.


 39.2237, 0.2787,
0.5232


 39.2237, 0.2787,
0.5232


342.8406, 0.3019,
0.4149


 26.9338, 0.2704,
0.5535


 73.9799, 0.2889,
0.4813


 17.5235, 0.2581,
0.5939


 97.2150, 0.2921,
0.4663


 10.6084, 0.2387,
0.6493


 124.8674, 0.2947,
0.4539

 5.8042, 0.2084,
0.7350

 157.3213, 0.2967,
0.4436

 2.7264, 0.1340,
0.8660

 194.9611, 0.2984,
0.4348

 0.9906, 0.0000,
1.0000

238.1714, 0.2998,

 0.0000, 0.0000,

0.4272

0.0000

287.3364, 0.3009,
0.4206

■ 39.2237, 0.2787,
0.5232

■ 39.2237, 0.2787,
0.5232

■ 39.2208, 0.2787,
0.5235

■ 39.5554, 0.2756,
0.5038

■ 40.0578, 0.2740,
0.4828

■ 40.7833, 0.2744,
0.4609

■ 41.7589, 0.2765,
0.4387

■ 43.0075, 0.2803,
0.4169

■ 44.5495, 0.2855,
0.3962

■ 46.4030, 0.2916,
0.3768

■ 48.5849, 0.2983,
0.3591

■ 51.1107, 0.3055,
0.3431

Harmonies

Analogous

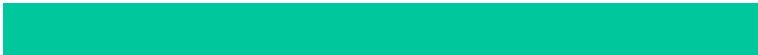
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.2237, 0.3804, 0.5358



39.2237, 0.2787, 0.5232



39.2237, 0.1913, 0.4104

Triad

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



39.2237, 0.2787, 0.5232



39.2237, 0.1567, 0.1725



39.2237, 0.5178, 0.3228

Complementary

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



39.2237, 0.2787, 0.5232



12.6086, 0.4676, 0.2350

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.



39.2237, 0.4326, 0.2560



39.2237, 0.2787, 0.5232



39.2237, 0.2159, 0.1741

Square

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



39.2237, 0.2787, 0.5232



39.2237, 0.1329, 0.2043



39.2237, 0.3139, 0.2033



39.2237, 0.5274, 0.3963

Rectangle

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



39.2237, 0.2787, 0.5232



39.2237, 0.1540, 0.3209



39.2237, 0.3139, 0.2033



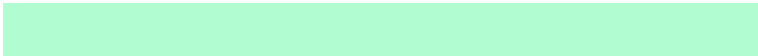
39.2237, 0.4967, 0.2996

Sweetspot

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



39.2253, 0.2787, 0.5232



83.8423, 0.2912, 0.3780



42.1143, 0.3485, 0.5614



18.0322, 0.2885, 0.3862



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.



39.2253, 0.2787, 0.5232



71.0091, 0.2795, 0.5263



41.7943, 0.2319, 0.3548



11.3295, 0.3059, 0.3424



25.8022, 0.2781, 0.5210



1.1286, 0.2656, 0.4763

Inverse Universe

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



12.6086, 0.4676, 0.2350



22.7747, 0.4707, 0.2367



11.5145, 0.6310, 0.3251



10.1716, 0.3202, 0.3160



8.3004, 0.4654, 0.2337



0.3723, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 39.2237, 0.2787, 0.5232 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 39.2237, 0.2787, 0.5232 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 39.2237, 0.2787, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 39.2237, 0.2787, 0.5232.



This preview shows how white text looks on a background with the Yxy color 39.2237, 0.2787, 0.5232.

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

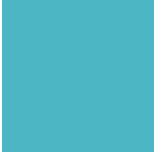
39.2237, 0.2787, 0.5232

Protanopia

38.4597, 0.4091, 0.4483

Deuteranopia

38.4418, 0.4196, 0.4103



Tritanopia

39.0236, 0.2334, 0.3058

Trichromacy



Original Color

39.2237, 0.2787, 0.5232



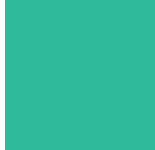
Protanomaly

35.8459, 0.3354, 0.4894



Deuteranomaly

34.9891, 0.3402, 0.4612



Tritanomaly

38.1465, 0.2467, 0.3798

Monochromacy



Original Color

39.2237, 0.2787, 0.5232



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.2613, 0.2823, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2237, 0.2787, 0.5232 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 84) }
```

Border

The CSS property to change the border of an element to Yxy 39.2237, 0.2787, 0.5232 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, 84) }
```

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

```
.border{ border-color:rgb(0, 194, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 194, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.2237, 0.2787, 0.5232 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, 84) }
```

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

```
.background{ background-color: rgb(0, 194,  
84) }
```

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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