

Converting Colors

Yxy(66.9946, 0.2532, 0.4314)

Have a look what the booklet for
Yxy(66.9946, 0.2532, 0.4314)
contains.

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Color

Yxy(67.0099, 0.2533, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	01F3AA
RGB	1, 243, 170
RGB Percent	0%, 95%, 67%
CMY	0.9965, 0.0470, 0.3333
CMYK	1.00, 0.00, 0.30, 0.05
HSL	162°, 99%, 48%
HSV	162°, 100%, 95%
XYZ	39.3181, 67.0099, 48.8953
YIQ	162.3200, -120.7990, -74.0070

Conversions

Conversions Part 2

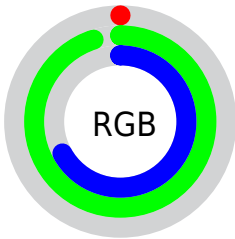
Format	Color
R_{YB}	1, 143, 243
Decimal	127914
CIE Lab	85.51, -64.99, 21.86
CIE LCh	86, 68.564, 161.408
Yxy	67.0099, 0.2533, 0.4317
Android (android.graphics.Color)	4278317994 (0xFF01F3AA)
YUV	162.3200, 3.7862, -141.4776
Hunter-Lab	81.8596, -57.5187, 21.8873

Details

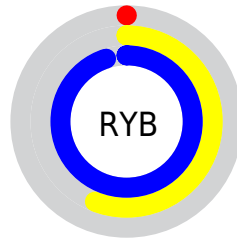
The Yxy color **67.0099, 0.2533, 0.4317** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.5681, 0.5789, 0.2965**, and the grayscale version is **36.3001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5217, 0.2543, 0.3638**, and **36.0059, 0.2589, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **66.9965, 0.2534, 0.4321**, and if you desaturate by 10%, it is **67.5011, 0.2517, 0.4203**.

Distribution



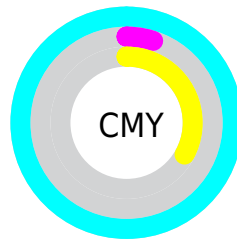
- Red (0%)
- Green (95%)
- Blue (67%)



- Red (0%)
- Yellow (56%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0099, 0.2533, 0.4317 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 67.0099, 0.2533, 0.4317 by changing the saturation by 10% instead.


 67.0099, 0.2533,
0.4317

 67.0099, 0.2533,
0.4317


449.9800, 0.2826,
0.3803

 49.0927, 0.2462,
0.4445

 114.9346, 0.2638,
0.4130


 34.6930, 0.2371,
0.4608


 145.7109, 0.2678,
0.4060


 23.4265, 0.2253,
0.4823


 181.5422, 0.2712,
0.4001

 14.9087, 0.2093,
0.5119

 222.8132, 0.2741,
0.3950

 8.7554, 0.1866,
0.5547

 269.9080, 0.2767,
0.3906

 4.5820, 0.1524,
0.6210

323.2112, 0.2789,

 2.0041, 0.0190,

0.3867

0.8383

383.1070, 0.2809,
0.3833

■ 0.6099, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0099, 0.2533,
0.4317

■ 67.0099, 0.2533,
0.4317

■ 66.9965, 0.2534,
0.4321

■ 67.5011, 0.2517,
0.4203

■ 68.2581, 0.2519,
0.4087

■ 69.3573, 0.2541,
0.3971

■ 70.8446, 0.2583,
0.3857

■ 72.7586, 0.2644,
0.3746

■ 75.1331, 0.2721,
0.3640

■ 77.9985, 0.2811,
0.3540

■ 81.3827, 0.2912,
0.3448

■ 85.3111, 0.3019,
0.3363

Harmonies

Analogous

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



67.0099, 0.3310, 0.4836



67.0099, 0.2533, 0.4317



67.0099, 0.1961, 0.3403

Triad

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



67.0099, 0.2533, 0.4317



67.0099, 0.2114, 0.2029



67.0099, 0.4790, 0.3611

Complementary

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



67.0099, 0.2533, 0.4317



19.5681, 0.5789, 0.2965

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.



67.0099, 0.4403, 0.3017



67.0099, 0.2533, 0.4317



67.0099, 0.2756, 0.2157

Square

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



67.0099, 0.2533, 0.4317



67.0099, 0.1763, 0.2163



67.0099, 0.3609, 0.2506



67.0099, 0.4641, 0.4218

Rectangle

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



67.0099, 0.2533, 0.4317



67.0099, 0.1756, 0.2842



67.0099, 0.3609, 0.2506



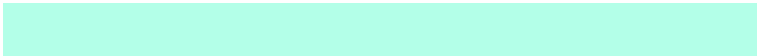
67.0099, 0.4721, 0.3408

Sweetspot

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



67.0125, 0.2533, 0.4317



86.8667, 0.2807, 0.3544



65.7075, 0.3147, 0.5881



18.2914, 0.2767, 0.3586



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

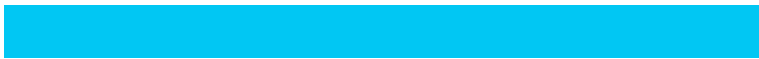
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0125, 0.2533, 0.4317



74.7390, 0.2535, 0.4324



47.1488, 0.2079, 0.2684



18.6677, 0.3021, 0.3362



36.7934, 0.2529, 0.4303



3.2519, 0.2489, 0.4160

Inverse Universe

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



19.5681, 0.5789, 0.2965



21.7942, 0.5806, 0.2972



20.9561, 0.6222, 0.3438



16.5648, 0.3246, 0.3219



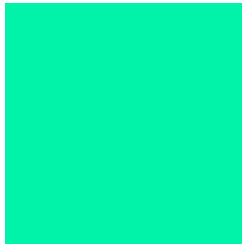
10.7447, 0.5759, 0.2946



0.9618, 0.5405, 0.2751

Previews

White Background



This preview shows how the Yxy color 67.0099, 0.2533, 0.4317 looks on a white background.

Color Contrast Check

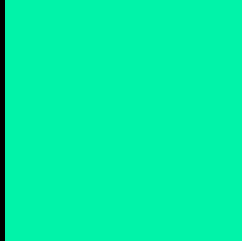
Large Text (above 18pt) WCAG AA × Fail

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 67.0099, 0.2533, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

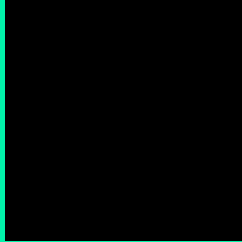
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

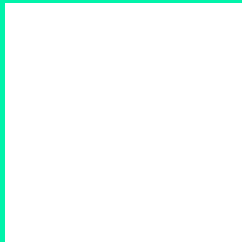
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0099, 0.2533, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 67.0099, 0.2533, 0.4317.



This preview shows how white text looks on a background with the Yxy color 67.0099, 0.2533, 0.4317.

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

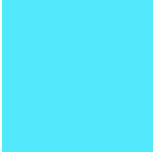
67.0099, 0.2533, 0.4317

Protanopia

65.8182, 0.3645, 0.3918

Deuteranopia

65.6735, 0.3633, 0.3559



Tritanopia

67.0999, 0.2285, 0.3054

Trichromacy



Original Color

67.0099, 0.2533, 0.4317



Protanomaly

61.3683, 0.2985, 0.4116



Deuteranomaly

60.3453, 0.2965, 0.3838



Tritanomaly

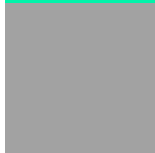
66.5992, 0.2351, 0.3484

Monochromacy



Original Color

67.0099, 0.2533, 0.4317



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

42.8618, 0.2671, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0099, 0.2533, 0.4317 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(1, 243, 170)` looks like.

```
.text, #text, p{  
    color:rgb(1, 243, 170)  
}
```

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(1, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 243, 170) }
```

Border

The CSS property to change the border of an element to Yxy 67.0099, 0.2533, 0.4317 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(1, 243, 170) }
```

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

```
.border{ border-color:rgb(1, 243, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 243, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 243, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 243, 170);  
box-shadow:4px 4px 4px 4px rgb(1, 243,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0099, 0.2533, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 243, 170) }
```

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

```
.background{ background-color: rgb(1, 243,  
170) }
```

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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