

Converting Colors

Yxy(64.8893, 0.2339, 0.4352)

Have a look what the booklet for
Yxy(64.8893, 0.2339, 0.4352)
contains.

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Color

Yxy(67.0415, 0.2528, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	00F3AB
RGB	0, 243, 171
RGB Percent	0%, 95%, 67%
CMY	1.0000, 0.0470, 0.3293
CMYK	1.00, 0.00, 0.30, 0.05
HSL	162°, 100%, 48%
HSV	162°, 100%, 95%
XYZ	39.3958, 67.0415, 49.4006
YIQ	162.1350, -121.7160, -73.9080

Conversions

Conversions Part 2

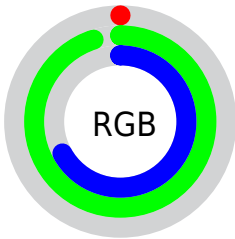
Format	Color
RYB	0, 143, 243
Decimal	62379
CIELab	85.52, -64.81, 21.36
CIELCh	86, 68.239, 161.757
Yxy	67.0415, 0.2528, 0.4302
Android (android.graphics.Color)	4278252459 (0xFF00F3AB)
YUV	162.1350, 4.3704, -142.1924
Hunter-Lab	81.8789, -57.4031, 21.5433

Details

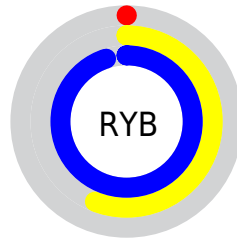
The Yxy color **67.0415, 0.2528, 0.4302** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.5244, 0.5818, 0.2979**, and the grayscale version is **36.2236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5768, 0.2539, 0.3625**, and **36.0059, 0.2589, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **67.0486, 0.2528, 0.4302**, and if you desaturate by 10%, it is **67.5287, 0.2513, 0.4190**.

Distribution



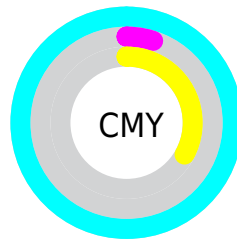
- Red (0%)
- Green (95%)
- Blue (67%)



- 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 67.0415, 0.2528, 0.4302 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 67.0415, 0.2528, 0.4302 by changing the saturation by 10% instead.


 67.0415, 0.2528,
0.4302


 67.0415, 0.2528,
0.4302


450.0925, 0.2823,
0.3796

 49.1184, 0.2456,
0.4428


 114.9799, 0.2634,
0.4118


 34.7134, 0.2366,
0.4588


 145.7639, 0.2674,
0.4049


 23.4422, 0.2247,
0.4799


 181.6037, 0.2708,
0.3991

 14.9203, 0.2087,
0.5090

 222.8836, 0.2737,
0.3941

 8.7635, 0.1860,
0.5511

 269.9880, 0.2763,
0.3897

 4.5872, 0.1520,
0.6162


323.3014, 0.2785,


 2.0072, 0.0211,


0.3859


0.8238


383.2081, 0.2805,
0.3825

 0.6116, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.0415, 0.2528,
0.4302


 67.0415, 0.2528,
0.4302

 67.0486, 0.2528,
0.4302

 67.5287, 0.2513,
0.4190

 68.2712, 0.2514,
0.4077

 69.3535, 0.2536,
0.3963

 70.8218, 0.2578,
0.3850

■ 72.7149, 0.2638,
0.3741

■ 75.0669, 0.2715,
0.3637

■ 77.9082, 0.2805,
0.3539

■ 81.2666, 0.2906,
0.3448

■ 85.1679, 0.3014,
0.3365

Harmonies

Analogous

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



67.0415, 0.3301, 0.4825



67.0415, 0.2528, 0.4302



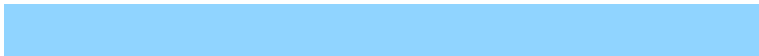
67.0415, 0.1962, 0.3392

Triad

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



67.0415, 0.2528, 0.4302



67.0415, 0.2124, 0.2034



67.0415, 0.4784, 0.3618

Complementary

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



67.0415, 0.2528, 0.4302



19.5244, 0.5818, 0.2979

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.



67.0415, 0.4404, 0.3026



67.0415, 0.2528, 0.4302



67.0415, 0.2767, 0.2164

Square

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



67.0415, 0.2528, 0.4302



67.0415, 0.1771, 0.2165



67.0415, 0.3617, 0.2515



67.0415, 0.4630, 0.4222

Rectangle

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



67.0415, 0.2528, 0.4302



67.0415, 0.1759, 0.2836



67.0415, 0.3617, 0.2515



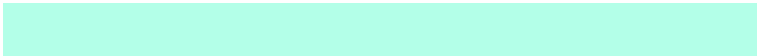
67.0415, 0.4717, 0.3416

Sweetspot

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



67.0486, 0.2528, 0.4302



86.8896, 0.2805, 0.3540



65.5203, 0.3131, 0.5896



18.2969, 0.2765, 0.3580



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.



67.0486, 0.2528, 0.4302



74.7932, 0.2529, 0.4305



45.2374, 0.2062, 0.2623



18.6693, 0.3020, 0.3361



36.8198, 0.2523, 0.4284



3.2541, 0.2484, 0.4143

Inverse Universe

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



19.5244, 0.5818, 0.2979



21.7755, 0.5824, 0.2982



21.2201, 0.6201, 0.3458



16.5633, 0.3247, 0.3220



10.7351, 0.5777, 0.2956



0.9608, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 67.0415, 0.2528, 0.4302 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 67.0415, 0.2528, 0.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

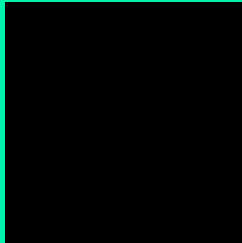
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0415, 0.2528, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 67.0415, 0.2528, 0.4302.

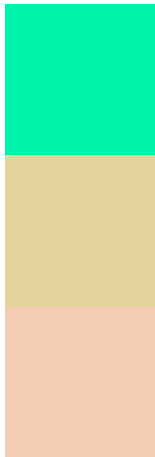


This preview shows how white text looks on a background with the Yxy color 67.0415, 0.2528, 0.4302.

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

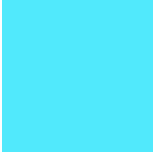
67.0415, 0.2528, 0.4302

Protanopia

65.8522, 0.3638, 0.3907

Deuteranopia

65.7141, 0.3626, 0.3549



Tritanopia

67.0554, 0.2282, 0.3054

Trichromacy



Original Color

67.0415, 0.2528, 0.4302



Protanomaly

61.3133, 0.2973, 0.4104



Deuteranomaly

60.2857, 0.2952, 0.3825



Tritanomaly

66.6262, 0.2345, 0.3471

Monochromacy



Original Color

67.0415, 0.2528, 0.4302



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 67.0415, 0.2528, 0.4302 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, 243, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 171)  
}
```

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, 243, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 171) }
```

Border

The CSS property to change the border of an element to Yxy 67.0415, 0.2528, 0.4302 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, 243, 171) }
```

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

```
.border{ border-color:rgb(0, 243, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 243, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0415, 0.2528, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 171) }
```

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

```
.background{ background-color: rgb(0, 243,  
171) }
```

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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