

Converting Colors

$Yxy(66.4879, 0.2346, 0.4352)$

Have a look what the booklet for
Yxy(66.4879, 0.2346, 0.4352)
contains.

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Color

Yxy(68.9287, 0.2529, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	00F6AD
RGB	0, 246, 173
RGB Percent	0%, 96%, 68%
CMY	0.9994, 0.0353, 0.3214
CMYK	1.00, 0.00, 0.30, 0.04
HSL	162°, 100%, 48%
HSV	162°, 100%, 96%
XYZ	40.5020, 68.9287, 50.7196
YIQ	164.1240, -123.1830, -74.8550

Conversions

Conversions Part 2

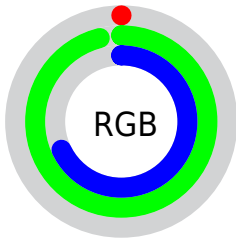
Format	Color
RYB	0, 144, 246
Decimal	63149
CIELab	86.47, -65.42, 21.63
CIELCh	86, 68.904, 161.702
Yxy	68.9287, 0.2529, 0.4304
Android (android.graphics.Color)	4278253229 (0xFF00F6AD)
YUV	164.1240, 4.3759, -143.9367
Hunter-Lab	83.0233, -58.2115, 21.8956

Details

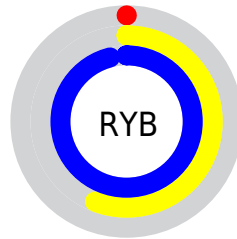
The Yxy color **68.9287, 0.2529, 0.4304** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.0792, 0.5816, 0.2978**, and the grayscale version is **37.2349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6879, 0.2531, 0.3600**, and **37.3225, 0.2589, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **68.9286, 0.2529, 0.4305**, and if you desaturate by 10%, it is **69.4246, 0.2513, 0.4192**.

Distribution



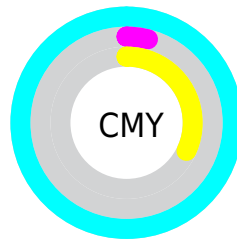
- Red (0%)
- Green (96%)
- Blue (68%)



- Red (0%)
- Yellow (56%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9287, 0.2529, 0.4304 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 68.9287, 0.2529, 0.4304 by changing the saturation by 10% instead.


 68.9287, 0.2529,
0.4304


 68.9287, 0.2529,
0.4304

456.7795, 0.2822,
0.3799


 50.6536, 0.2458,
0.4429


 117.6797, 0.2634,
0.4121

 35.9330, 0.2369,
0.4587


 148.9245, 0.2674,
0.4053

 24.3825, 0.2252,
0.4796


 185.2613, 0.2708,
0.3994

 15.6176, 0.2095,
0.5081

 227.0745, 0.2737,
0.3944

 9.2540, 0.1874,
0.5492

 274.7485, 0.2762,
0.3901

 4.9072, 0.1545,
0.6124


328.6678, 0.2785,

 2.1929, 0.0485,

0.3862


0.7828


389.2166, 0.2805,
0.3829


 0.7161, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.9287, 0.2529,
0.4304


 68.9287, 0.2529,
0.4304

 68.9286, 0.2529,
0.4305

 69.4246, 0.2513,
0.4192

 70.1891, 0.2515,
0.4078

 71.3036, 0.2536,
0.3964

 72.8155, 0.2578,
0.3851

■ 74.7650, 0.2639,
0.3742

■ 77.1871, 0.2716,
0.3637

■ 80.1131, 0.2806,
0.3539

■ 83.5717, 0.2907,
0.3448

■ 87.5893, 0.3015,
0.3365

Harmonies

Analogous

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



68.9287, 0.3302, 0.4826



68.9287, 0.2529, 0.4304



68.9287, 0.1962, 0.3394

Triad

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



68.9287, 0.2529, 0.4304



68.9287, 0.2122, 0.2034



68.9287, 0.4784, 0.3617

Complementary

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



68.9287, 0.2529, 0.4304



20.0792, 0.5816, 0.2978

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.



68.9287, 0.4404, 0.3024



68.9287, 0.2529, 0.4304



68.9287, 0.2765, 0.2164

Square

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



68.9287, 0.2529, 0.4304



68.9287, 0.1770, 0.2165



68.9287, 0.3616, 0.2514



68.9287, 0.4631, 0.4221

Rectangle

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



68.9287, 0.2529, 0.4304



68.9287, 0.1759, 0.2837



68.9287, 0.3616, 0.2514



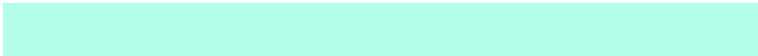
68.9287, 0.4717, 0.3415

Sweetspot

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



68.9314, 0.2529, 0.4304



86.8871, 0.2805, 0.3540



67.3648, 0.3131, 0.5896



18.2963, 0.2765, 0.3581



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.



68.9314, 0.2529, 0.4304



74.7873, 0.2530, 0.4307



46.5114, 0.2062, 0.2623



18.6691, 0.3020, 0.3361



36.8170, 0.2524, 0.4286



3.2539, 0.2485, 0.4145

Inverse Universe

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



20.0792, 0.5816, 0.2978



21.7775, 0.5822, 0.2981



21.8175, 0.6200, 0.3458



16.5635, 0.3247, 0.3220



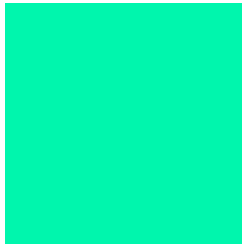
10.7362, 0.5775, 0.2955



0.9609, 0.5421, 0.2760

Previews

White Background



This preview shows how the Yxy color 68.9287, 0.2529, 0.4304 looks on a white background.

Color Contrast Check

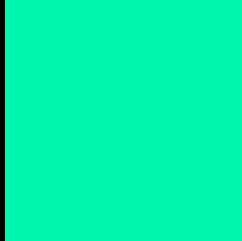
Large Text (above 18pt) WCAG AA × Fail

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 68.9287, 0.2529, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

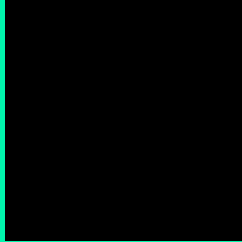
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9287, 0.2529, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 68.9287, 0.2529, 0.4304.

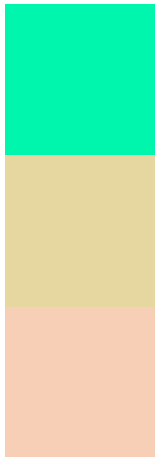


This preview shows how white text looks on a background with the Yxy color 68.9287, 0.2529, 0.4304.

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

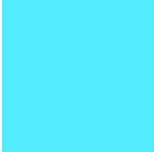
68.9287, 0.2529, 0.4304

Protanopia

67.4193, 0.3641, 0.3900

Deuteranopia

67.2942, 0.3629, 0.3546



Tritanopia

69.0499, 0.2285, 0.3057

Trichromacy



Original Color

68.9287, 0.2529, 0.4304



Protanomaly

63.1840, 0.2974, 0.4107



Deuteranomaly

62.1357, 0.2954, 0.3832



Tritanomaly

68.5133, 0.2349, 0.3482

Monochromacy



Original Color

68.9287, 0.2529, 0.4304



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.3166, 0.2671, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9287, 0.2529, 0.4304 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, 246, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 173)  
}
```

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, 246, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 173) }
```

Border

The CSS property to change the border of an element to Yxy 68.9287, 0.2529, 0.4304 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, 246, 173) }
```

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

```
.border{ border-color:rgb(0, 246, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 246, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 246, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 246, 173); box-shadow:4px 4px 4px 4px rgb(0, 246, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9287, 0.2529, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 173) }
```

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

```
.background{ background-color: rgb(0, 246,  
173) }
```

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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