

Converting Colors

$Yxy(63.8047, 0.2088, 0.4397)$

Have a look what the booklet for
Yxy(63.8047, 0.2088, 0.4397)
contains.

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Color

Yxy(68.9675, 0.2525, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	00F6AE
RGB	0, 246, 174
RGB Percent	0%, 96%, 68%
CMY	1.0000, 0.0353, 0.3177
CMYK	1.00, 0.00, 0.29, 0.04
HSL	162°, 100%, 48%
HSV	162°, 100%, 96%
XYZ	40.5928, 68.9675, 51.2031
YIQ	164.2380, -123.5040, -74.5440

Conversions

Conversions Part 2

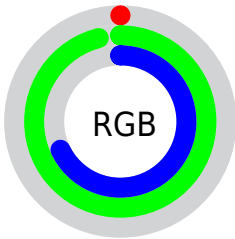
Format	Color
RYB	0, 144, 246
Decimal	63150
CIELab	86.49, -65.22, 21.18
CIELCh	86, 68.574, 162.013
Yxy	68.9675, 0.2525, 0.4290
Android (android.graphics.Color)	4278253230 (0xFF00F6AE)
YUV	164.2380, 4.8127, -144.0367
Hunter-Lab	83.0467, -58.0819, 21.5769

Details

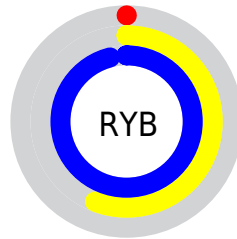
The Yxy color **68.9675, 0.2525, 0.4290** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.0623, 0.5832, 0.2986**, and the grayscale version is **37.2647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7439, 0.2526, 0.3588**, and **37.3469, 0.2584, 0.4502** is the 20% darker color. If you saturate the color by 10%, you get **68.9706, 0.2525, 0.4290**, and if you desaturate by 10%, it is **69.4607, 0.2510, 0.4180**.

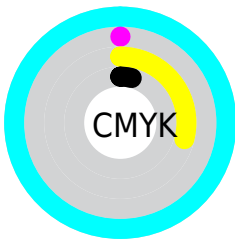
Distribution



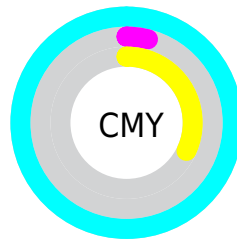
- Red (0%)
- Green (96%)
- Blue (68%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9675, 0.2525, 0.4290 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 68.9675, 0.2525, 0.4290 by changing the saturation by 10% instead.


 68.9675, 0.2525,
0.4290


 68.9675, 0.2525,
0.4290


456.9163, 0.2820,
0.3792


 50.6852, 0.2454,
0.4413


 117.7352, 0.2630,
0.4110


 35.9582, 0.2364,
0.4569

 148.9893, 0.2670,
0.4042


 24.4019, 0.2248,
0.4774


 185.3363, 0.2704,
0.3985

 15.6320, 0.2091,
0.5054

 227.1604, 0.2734,
0.3935

 9.2641, 0.1870,
0.5458

 274.8461, 0.2759,
0.3893

 4.9139, 0.1542,
0.6079

328.7777, 0.2782,

 2.1968, 0.0501,

0.3855

0.7717

389.3396, 0.2802,
0.3822

■ 0.7183, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9675, 0.2525,
0.4290

■ 68.9675, 0.2525,
0.4290


■ 68.9706, 0.2525,
0.4290


■ 69.4607, 0.2510,
0.4180


■ 70.2209, 0.2511,
0.4068


■ 71.3302, 0.2533,
0.3955


■ 72.8364, 0.2575,
0.3844

 74.7795, 0.2636,
0.3736

 77.1945, 0.2713,
0.3633

 80.1128, 0.2804,
0.3536

 83.5631, 0.2905,
0.3446

 87.5719, 0.3014,
0.3364

Harmonies

Analogous

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



68.9675, 0.3294, 0.4816



68.9675, 0.2525, 0.4290



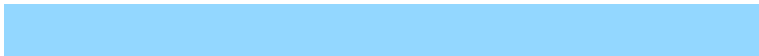
68.9675, 0.1963, 0.3385

Triad

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



68.9675, 0.2525, 0.4290



68.9675, 0.2132, 0.2039



68.9675, 0.4777, 0.3623

Complementary

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



68.9675, 0.2525, 0.4290



20.0623, 0.5832, 0.2986

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.



68.9675, 0.4404, 0.3032



68.9675, 0.2525, 0.4290



68.9675, 0.2775, 0.2171

Square

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



68.9675, 0.2525, 0.4290



68.9675, 0.1778, 0.2167



68.9675, 0.3623, 0.2522



68.9675, 0.4621, 0.4224

Rectangle

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



68.9675, 0.2525, 0.4290



68.9675, 0.1763, 0.2832



68.9675, 0.3623, 0.2522



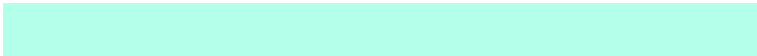
68.9675, 0.4712, 0.3421

Sweetspot

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



68.9706, 0.2525, 0.4290



86.9046, 0.2803, 0.3537



67.3636, 0.3131, 0.5896



18.3005, 0.2764, 0.3577



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.



68.9706, 0.2525, 0.4290



74.8290, 0.2526, 0.4292



46.4984, 0.2062, 0.2623



18.6703, 0.3020, 0.3360



36.8373, 0.2520, 0.4272



3.2555, 0.2481, 0.4133

Inverse Universe

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



20.0623, 0.5832, 0.2986



21.7634, 0.5836, 0.2989



21.8075, 0.6202, 0.3458



16.5623, 0.3247, 0.3221



10.7290, 0.5789, 0.2963



0.9602, 0.5435, 0.2768

Previews

White Background



This preview shows how the Yxy color 68.9675, 0.2525, 0.4290 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 68.9675, 0.2525, 0.4290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

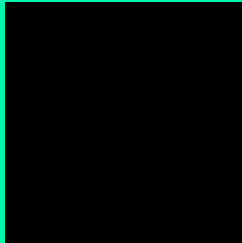
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

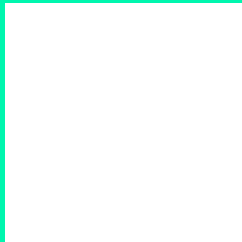
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9675, 0.2525, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 68.9675, 0.2525, 0.4290.

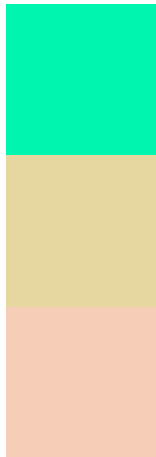


This preview shows how white text looks on a background with the Yxy color 68.9675, 0.2525, 0.4290.

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

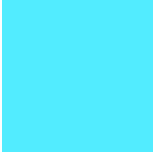
68.9675, 0.2525, 0.4290

Protanopia

67.4193, 0.3641, 0.3900

Deuteranopia

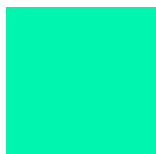
67.1543, 0.3613, 0.3536



Tritanopia

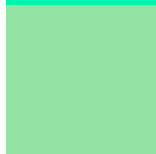
69.0047, 0.2282, 0.3057

Trichromacy



Original Color

68.9675, 0.2525, 0.4290



Protanomaly

63.1840, 0.2974, 0.4107



Deuteranomaly

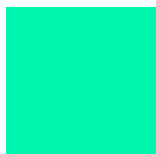
62.1763, 0.2948, 0.3819



Tritanomaly

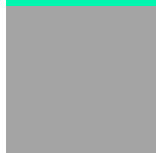
68.5412, 0.2343, 0.3469

Monochromacy



Original Color

68.9675, 0.2525, 0.4290



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.3538, 0.2665, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9675, 0.2525, 0.4290 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 174) }
```

Border

The CSS property to change the border of an element to Yxy 68.9675, 0.2525, 0.4290 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, 174) }
```

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

```
.border{ border-color:rgb(0, 246, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9675, 0.2525, 0.4290 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, 174) }
```

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

```
.background{ background-color: rgb(0, 246,  
174) }
```

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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