

Converting Colors

$Yxy(67.8864, 0.2470, 0.4154)$

Have a look what the booklet for
Yxy(67.8864, 0.2470, 0.4154)
contains.

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Color

Yxy(68.0788, 0.2486, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	01F4B6
RGB	1, 244, 182
RGB Percent	0%, 96%, 71%
CMY	0.9967, 0.0432, 0.2863
CMYK	1.00, 0.00, 0.25, 0.04
HSL	165°, 99%, 48%
HSV	165°, 100%, 96%
XYZ	40.8013, 68.0788, 55.2443
YIQ	164.2750, -124.9260, -70.7980

Conversions

Conversions Part 2

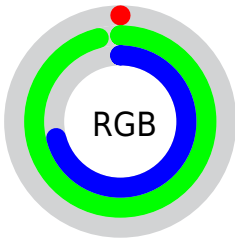
Format	Color
RYB	1, 140, 244
Decimal	128182
CIELab	86.05, -62.67, 16.42
CIELCh	86, 64.789, 165.315
Yxy	68.0788, 0.2486, 0.4148
Android (android.graphics.Color)	4278318262 (0xFF01F4B6)
YUV	164.2750, 8.7384, -143.1922
Hunter-Lab	82.5099, -56.1236, 18.0595

Details

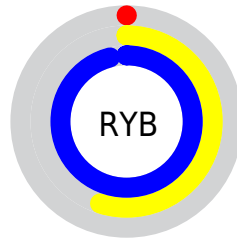
The Yxy color **68.0788, 0.2486, 0.4148** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.6073, 0.5946, 0.3051**, and the grayscale version is **37.2374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2038, 0.2492, 0.3489**, and **36.7028, 0.2534, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **68.0673, 0.2487, 0.4151**, and if you desaturate by 10%, it is **68.5487, 0.2475, 0.4053**.

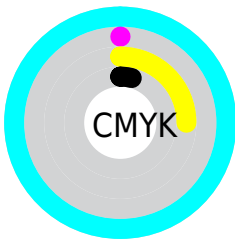
Distribution



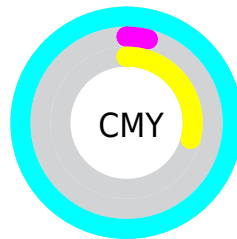
- Red (0%)
- Green (96%)
- Blue (71%)



- Red (0%)
- Yellow (55%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0788, 0.2486, 0.4148 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 68.0788, 0.2486, 0.4148 by changing the saturation by 10% instead.


 68.0788, 0.2486,
0.4148

 68.0788, 0.2486,
0.4148


453.7752, 0.2795,
0.3724


 49.9618, 0.2413,
0.4252


 116.4649, 0.2596,
0.3995


 35.3831, 0.2321,
0.4383


 147.5028, 0.2637,
0.3938

 23.9581, 0.2202,
0.4556


 183.6164, 0.2673,
0.3889

 15.3026, 0.2044,
0.4792

 225.1903, 0.2704,
0.3847

 9.0320, 0.1825,
0.5130

 272.6087, 0.2731,
0.3810

 4.7621, 0.1503,
0.5650

326.2560, 0.2755,

 2.1083, 0.0519,

0.3778

0.6907

386.5167, 0.2776,
0.3749

■ 0.6693, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0788, 0.2486,
0.4148

■ 68.0788, 0.2486,
0.4148


■ 68.0673, 0.2487,
0.4151

■ 68.5487, 0.2475,
0.4053


■ 69.2824, 0.2481,
0.3957


■ 70.3569, 0.2506,
0.3860


■ 71.8186, 0.2552,
0.3765

 73.7065, 0.2617,
0.3672

 76.0546, 0.2698,
0.3584

 78.8935, 0.2793,
0.3501

 82.2512, 0.2899,
0.3423

 86.1535, 0.3013,
0.3352

Harmonies

Analogous

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



68.0788, 0.3209, 0.4706



68.0788, 0.2486, 0.4148



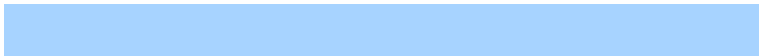
68.0788, 0.1975, 0.3291

Triad

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



68.0788, 0.2486, 0.4148



68.0788, 0.2232, 0.2094



68.0788, 0.4704, 0.3683

Complementary

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



68.0788, 0.2486, 0.4148



19.6073, 0.5946, 0.3051

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.



68.0788, 0.4401, 0.3109



68.0788, 0.2486, 0.4148



68.0788, 0.2877, 0.2245

Square

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



68.0788, 0.2486, 0.4148



68.0788, 0.1858, 0.2191



68.0788, 0.3691, 0.2604



68.0788, 0.4512, 0.4253

Rectangle

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



68.0788, 0.2486, 0.4148



68.0788, 0.1803, 0.2786



68.0788, 0.3691, 0.2604



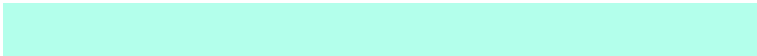
68.0788, 0.4660, 0.3488

Sweetspot

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



68.0815, 0.2486, 0.4148



87.0711, 0.2789, 0.3504



65.8476, 0.3106, 0.5914



18.3404, 0.2747, 0.3539



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.



68.0815, 0.2486, 0.4148



75.2371, 0.2487, 0.4153



42.1867, 0.2030, 0.2507



18.6814, 0.3015, 0.3351



37.0361, 0.2482, 0.4136



3.2716, 0.2449, 0.4016

Inverse Universe

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



19.6073, 0.5946, 0.3051



21.6418, 0.5960, 0.3057



22.2171, 0.6131, 0.3511



16.5518, 0.3253, 0.3230



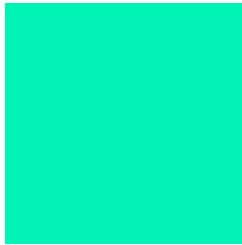
10.6669, 0.5916, 0.3032



0.9535, 0.5565, 0.2839

Previews

White Background



This preview shows how the Yxy color 68.0788, 0.2486, 0.4148 looks on a white background.

Color Contrast Check

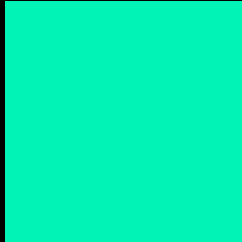
Large Text (above 18pt) WCAG AA × Fail

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 68.0788, 0.2486, 0.4148 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 68.0788, 0.2486, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 68.0788, 0.2486, 0.4148.

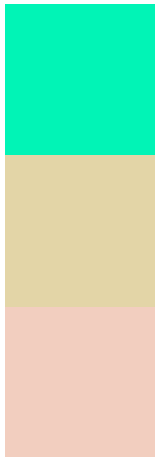


This preview shows how white text looks on a background with the Yxy color 68.0788, 0.2486, 0.4148.

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

68.0852, 0.2486, 0.4148

Protanopia

66.7094, 0.3562, 0.3805

Deuteranopia

66.7814, 0.3520, 0.3452



Tritanopia

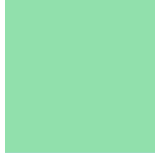
68.1921, 0.2273, 0.3055

Trichromacy



Original Color

68.0852, 0.2486, 0.4148



Protanomaly

62.3096, 0.2921, 0.3976



Deuteranomaly

61.6873, 0.2880, 0.3702



Tritanomaly

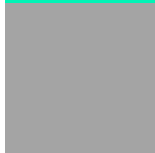
67.4286, 0.2326, 0.3417

Monochromacy



Original Color

68.0852, 0.2486, 0.4148



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.0835, 0.2650, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0788, 0.2486, 0.4148 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, 244, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 244, 182)  
}
```

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, 244, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 244, 182) }
```

Border

The CSS property to change the border of an element to Yxy 68.0788, 0.2486, 0.4148 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, 244, 182) }
```

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

```
.border{ border-color:rgb(1, 244, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 244, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 244, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 244, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 244,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0788, 0.2486, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 244, 182) }
```

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

```
.background{ background-color: rgb(1, 244,  
182) }
```

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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