

Converting Colors

$Y_{xy}(66.7579, 0.2509, 0.4234)$

Have a look what the booklet for
Yxy(66.7579, 0.2509, 0.4234)
contains.

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Color

Yxy(66.5994, 0.2509, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	01F2AF
RGB	1, 242, 175
RGB Percent	0%, 95%, 69%
CMY	0.9973, 0.0510, 0.3138
CMYK	1.00, 0.00, 0.28, 0.05
HSL	163°, 99%, 48%
HSV	163°, 100%, 95%
XYZ	39.4937, 66.5994, 51.3151
YIQ	162.3030, -122.1290, -71.9290

Conversions

Conversions Part 2

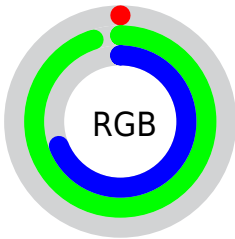
Format	Color
RYB	1, 141, 242
Decimal	127663
CIELab	85.30, -63.54, 19.02
CIELCh	85, 66.321, 163.338
Yxy	66.5994, 0.2509, 0.4231
Android (android.graphics.Color)	4278317743 (0xFF01F2AF)
YUV	162.3030, 6.2596, -141.4627
Hunter-Lab	81.6085, -56.4313, 19.8446

Details

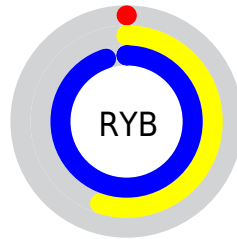
The Yxy color **66.5994, 0.2509, 0.4231** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.3060, 0.5872, 0.3010**, and the grayscale version is **36.2461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8002, 0.2522, 0.3575**, and **35.6861, 0.2564, 0.4430** is the 20% darker color. If you saturate the color by 10%, you get **66.5900, 0.2509, 0.4234**, and if you desaturate by 10%, it is **67.0736, 0.2496, 0.4127**.

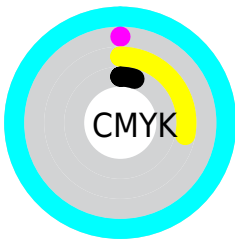
Distribution



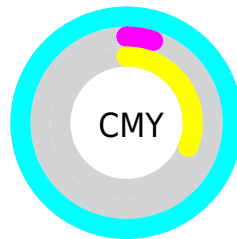
- Red (0%)
- Green (95%)
- Blue (69%)



- Red (0%)
- Yellow (55%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5994, 0.2509, 0.4231 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 66.5994, 0.2509, 0.4231 by changing the saturation by 10% instead.


 66.5994, 0.2509,
0.4231


 66.5994, 0.2509,
0.4231


448.5175, 0.2811,
0.3762

 48.7591, 0.2436,
0.4347


 114.3462, 0.2617,
0.4061


 34.4285, 0.2344,
0.4495


 145.0215, 0.2658,
0.3997


 23.2229, 0.2225,
0.4690


 180.7440, 0.2693,
0.3943

 14.7582, 0.2065,
0.4958

 221.8981, 0.2723,
0.3896

 8.6499, 0.1839,
0.5345

 268.8680, 0.2749,
0.3856

 4.5135, 0.1503,
0.5947

322.0383, 0.2772,

 1.9648, 0.0232,


0.3821

0.7739

381.7933, 0.2793,
0.3789

 0.5869, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 66.5994, 0.2509,
0.4231


 66.5994, 0.2509,
0.4231


 66.5900, 0.2509,
0.4234

 67.0736, 0.2496,
0.4127


 67.8076, 0.2499,
0.4021

 68.8778, 0.2523,
0.3915


 70.3297, 0.2567,
0.3810

 72.2014, 0.2629,
0.3709

 74.5265, 0.2709,
0.3612

 77.3351, 0.2801,
0.3520

 80.6546, 0.2904,
0.3436

 84.5102, 0.3015,
0.3358

Harmonies

Analogous

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



66.5994, 0.3259, 0.4771



66.5994, 0.2509, 0.4231



66.5994, 0.1968, 0.3346

Triad

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



66.5994, 0.2509, 0.4231



66.5994, 0.2173, 0.2062



66.5994, 0.4747, 0.3647

Complementary

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



66.5994, 0.2509, 0.4231



19.3060, 0.5872, 0.3010

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.



66.5994, 0.4403, 0.3063



66.5994, 0.2509, 0.4231



66.5994, 0.2817, 0.2201

Square

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



66.5994, 0.2509, 0.4231



66.5994, 0.1810, 0.2177



66.5994, 0.3651, 0.2555



66.5994, 0.4576, 0.4236

Rectangle

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



66.5994, 0.2509, 0.4231



66.5994, 0.1779, 0.2813



66.5994, 0.3651, 0.2555



66.5994, 0.4691, 0.3449

Sweetspot

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



66.6020, 0.2509, 0.4231



86.9704, 0.2798, 0.3524



64.7725, 0.3119, 0.5904



18.3162, 0.2757, 0.3562



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.



66.6020, 0.2509, 0.4231



74.9878, 0.2510, 0.4237



43.1191, 0.2047, 0.2566



17.8497, 0.3018, 0.3356



35.7975, 0.2505, 0.4217



2.9948, 0.2466, 0.4079

Inverse Universe

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



19.3060, 0.5872, 0.3010



21.7128, 0.5887, 0.3017



21.4225, 0.6164, 0.3485



15.8310, 0.3250, 0.3225



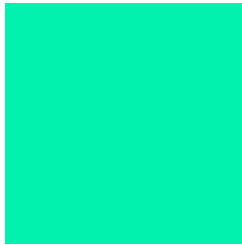
10.3800, 0.5839, 0.2990



0.8798, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 66.5994, 0.2509, 0.4231 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 66.5994, 0.2509, 0.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

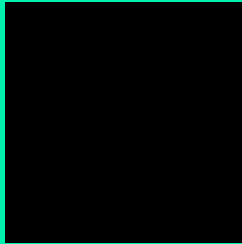
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

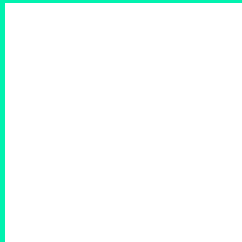
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5994, 0.2509, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 66.5994, 0.2509, 0.4231.



This preview shows how white text looks on a background with the Yxy color 66.5994, 0.2509, 0.4231.

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

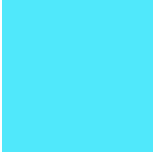
66.6059, 0.2509, 0.4231

Protanopia

65.2953, 0.3611, 0.3865

Deuteranopia

64.8733, 0.3573, 0.3497



Tritanopia

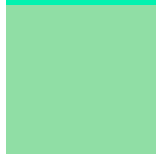
66.3837, 0.2280, 0.3053

Trichromacy



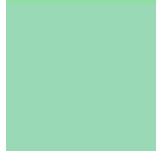
Original Color

66.6059, 0.2509, 0.4231



Protanomaly

60.8885, 0.2955, 0.4051



Deuteranomaly

59.8319, 0.2921, 0.3760



Tritanomaly

66.0224, 0.2340, 0.3458

Monochromacy



Original Color

66.6059, 0.2509, 0.4231



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

42.9352, 0.2659, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5994, 0.2509, 0.4231 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, 242, 175)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 175)  
}
```

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, 242, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 175) }
```

Border

The CSS property to change the border of an element to Yxy 66.5994, 0.2509, 0.4231 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, 242, 175) }
```

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

```
.border{ border-color:rgb(1, 242, 175) }
```

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

Here you see how a box with a 4 pixel rgb(1, 242, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 175);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5994, 0.2509, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 175) }
```

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

```
.background{ background-color: rgb(1, 242,  
175) }
```

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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