

Converting Colors

$Y_{xy}(57.2499, 0.1503, 0.4206)$

Have a look what the booklet for
Yxy(57.2499, 0.1503, 0.4206)
contains.

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Color

Yxy(67.8189, 0.2449, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	00F3BE
RGB	0, 243, 190
RGB Percent	0%, 95%, 75%
CMY	1.0000, 0.0470, 0.2549
CMYK	1.00, 0.00, 0.22, 0.05
HSL	167°, 100%, 48%
HSV	167°, 100%, 95%
XYZ	41.3361, 67.8189, 59.6327
YIQ	164.3010, -127.8150, -67.9990

Conversions

Conversions Part 2

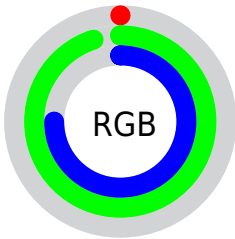
Format	Color
RYB	0, 136, 243
Decimal	62398
CIELab	85.92, -60.47, 12.08
CIELCh	86, 61.667, 168.700
Yxy	67.8189, 0.2449, 0.4018
Android (android.graphics.Color)	4278252478 (0xFF00F3BE)
YUV	164.3010, 12.6696, -144.0920
Hunter-Lab	82.3522, -54.5196, 14.7136

Details

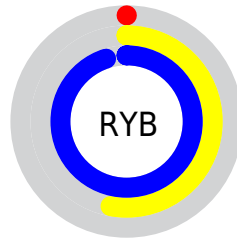
The Yxy color **67.8189, 0.2449, 0.4018** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.3143, 0.6062, 0.3113**, and the grayscale version is **37.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6845, 0.2459, 0.3393**, and **36.9240, 0.2491, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **67.8280, 0.2449, 0.4018**, and if you desaturate by 10%, it is **68.2619, 0.2442, 0.3938**.

Distribution



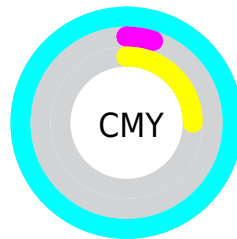
- Red (0%)
- Green (95%)
- Blue (75%)



- Red (0%)
- Yellow (53%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8189, 0.2449, 0.4018 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 67.8189, 0.2449, 0.4018 by changing the saturation by 10% instead.


 67.8189, 0.2449,
0.4018

 67.8189, 0.2449,
0.4018


452.8541, 0.2772,
0.3662


 49.7504, 0.2373,
0.4104


 116.0930, 0.2563,
0.3891


 35.2151, 0.2279,
0.4213


 147.0675, 0.2606,
0.3842


 23.8286, 0.2159,
0.4355


 183.1127, 0.2644,
0.3801

 15.2066, 0.2000,
0.4547

 224.6130, 0.2676,
0.3765

 8.9645, 0.1781,
0.4821

 271.9530, 0.2705,
0.3735

 4.7180, 0.1466,
0.5239


325.5169, 0.2730,

 2.0828, 0.0591,


0.3707


0.6200


385.6891, 0.2752,
0.3683


 0.6549, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.8189, 0.2449,
0.4018

 67.8189, 0.2449,
0.4018

 67.8280, 0.2449,
0.4018

 68.2619, 0.2442,
0.3938

 68.9517, 0.2450,
0.3857

 69.9745, 0.2478,
0.3776

 71.3763, 0.2526,
0.3696

■ 73.1959, 0.2593,
0.3617

■ 75.4671, 0.2677,
0.3542

■ 78.2204, 0.2776,
0.3472

■ 81.4833, 0.2885,
0.3406

■ 85.2816, 0.3003,
0.3345

Harmonies

Analogous

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



67.8189, 0.3129, 0.4599



67.8189, 0.2449, 0.4018



67.8189, 0.1986, 0.3206

Triad

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



67.8189, 0.2449, 0.4018



67.8189, 0.2327, 0.2146



67.8189, 0.4636, 0.3739

Complementary

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



67.8189, 0.2449, 0.4018



19.3143, 0.6062, 0.3113

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.



67.8189, 0.4397, 0.3181



67.8189, 0.2449, 0.4018



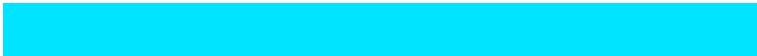
67.8189, 0.2973, 0.2316

Square

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



67.8189, 0.2449, 0.4018



67.8189, 0.1935, 0.2213



67.8189, 0.3753, 0.2682



67.8189, 0.4410, 0.4277

Rectangle

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



67.8189, 0.2449, 0.4018



67.8189, 0.1841, 0.2743



67.8189, 0.3753, 0.2682



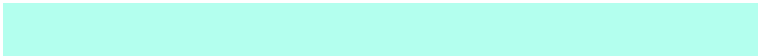
67.8189, 0.4610, 0.3551

Sweetspot

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



67.8280, 0.2449, 0.4018



87.2358, 0.2775, 0.3472



64.9709, 0.3081, 0.5936



18.3801, 0.2732, 0.3502



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.



67.8280, 0.2449, 0.4018



75.6614, 0.2450, 0.4020



38.3965, 0.1996, 0.2384



18.6923, 0.3010, 0.3342



37.2424, 0.2446, 0.4005



3.2882, 0.2418, 0.3904

Inverse Universe

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



19.3143, 0.6062, 0.3113



21.5418, 0.6068, 0.3116



22.8153, 0.6068, 0.3564



16.5417, 0.3259, 0.3239



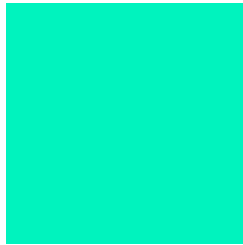
10.6152, 0.6026, 0.3093



0.9477, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 67.8189, 0.2449, 0.4018 looks on a white background.

Color Contrast Check

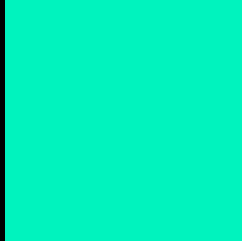
Large Text (above 18pt) WCAG AA × Fail

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 67.8189, 0.2449, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

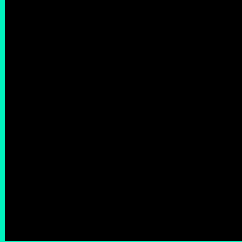
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8189, 0.2449, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 67.8189, 0.2449, 0.4018.



This preview shows how white text looks on a background with the Yxy color 67.8189, 0.2449, 0.4018.

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

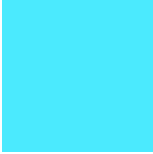
67.8189, 0.2449, 0.4018

Protanopia

66.1897, 0.3491, 0.3707

Deuteranopia

66.5706, 0.3442, 0.3377



Tritanopia

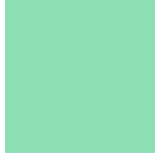
67.4972, 0.2263, 0.3042

Trichromacy



Original Color

67.8189, 0.2449, 0.4018



Protanomaly

61.9103, 0.2862, 0.3856



Deuteranomaly

61.2786, 0.2826, 0.3598



Tritanomaly

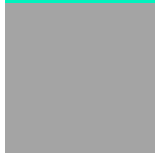
66.9663, 0.2308, 0.3365

Monochromacy



Original Color

67.8189, 0.2449, 0.4018



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.1001, 0.2633, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8189, 0.2449, 0.4018 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 190) }
```

Border

The CSS property to change the border of an element to Yxy 67.8189, 0.2449, 0.4018 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, 190) }
```

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

```
.border{ border-color:rgb(0, 243, 190) }
```

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, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8189, 0.2449, 0.4018 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, 190) }
```

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

```
.background{ background-color: rgb(0, 243,  
190) }
```

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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