

Converting Colors

$Y_{xy}(67.3209, 0.2452, 0.4026)$

Have a look what the booklet for
Yxy(67.3209, 0.2452, 0.4026)
contains.

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Color

Yxy(67.1848, 0.2451, 0.4021)

Conversions

Conversions Part 1

Format	Color
Hex	01F2BD
RGB	1, 242, 189
RGB Percent	0%, 95%, 74%
CMY	0.9945, 0.0510, 0.2589
CMYK	0.99, 0.00, 0.22, 0.05
HSL	167°, 99%, 48%
HSV	167°, 99%, 95%
XYZ	40.9525, 67.1848, 58.9475
YIQ	163.8990, -126.6230, -67.5750

Conversions

Conversions Part 2

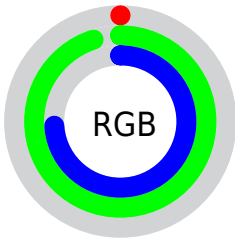
Format	Color
R _Y B	1, 136, 242
Decimal	127677
CIE Lab	85.60, -60.27, 12.16
CIE LCh	86, 61.489, 168.591
Yxy	67.1848, 0.2451, 0.4021
Android (android.graphics.Color)	4278317757 (0xFF01F2BD)
YUV	163.8990, 12.3748, -142.8624
Hunter-Lab	81.9663, -54.2579, 14.7370

Details

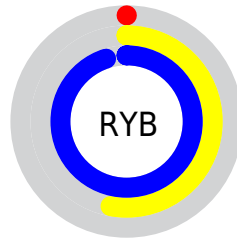
The Yxy color **67.1848, 0.2451, 0.4021** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.1784, 0.6040, 0.3105**, and the grayscale version is **37.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6233, 0.2464, 0.3405**, and **36.4755, 0.2492, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **67.1648, 0.2452, 0.4026**, and if you desaturate by 10%, it is **67.6287, 0.2444, 0.3940**.

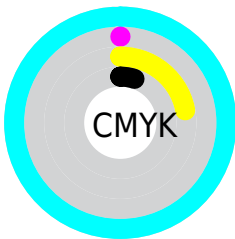
Distribution



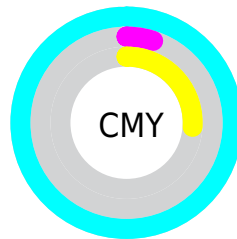
- Red (0%)
- Green (95%)
- Blue (74%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)





- Cyan (99%)
- Magenta (5%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1848, 0.2451, 0.4021 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 67.1848, 0.2451, 0.4021 by changing the saturation by 10% instead.


 67.1848, 0.2451,
0.4021

 67.1848, 0.2451,
0.4021


450.6023, 0.2773,
0.3663

 49.2348, 0.2375,
0.4108


 115.1852, 0.2565,
0.3893

 34.8058, 0.2281,
0.4218


 146.0044, 0.2608,
0.3844


 23.5133, 0.2160,
0.4361


 181.8821, 0.2646,
0.3803

 14.9730, 0.2000,
0.4556

 223.2027, 0.2678,
0.3767

 8.8004, 0.1780,
0.4834

 270.3506, 0.2706,
0.3736

 4.6112, 0.1462,
0.5259


323.7103, 0.2731,

 2.0210, 0.0527,

0.3708

0.6273

383.6660, 0.2754,
0.3684

 0.6196, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.1848, 0.2451,
0.4021

 67.1848, 0.2451,
0.4021

 67.1648, 0.2452,
0.4026

 67.6287, 0.2444,
0.3940

 68.3320, 0.2453,
0.3858

 69.3681, 0.2482,
0.3776

 70.7822, 0.2531,
0.3695

■ 72.6123, 0.2599,
0.3616

■ 74.8916, 0.2684,
0.3541

■ 77.6500, 0.2783,
0.3469

■ 80.9148, 0.2893,
0.3403

■ 84.7111, 0.3011,
0.3342

Harmonies

Analogous

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



67.1848, 0.3132, 0.4601



67.1848, 0.2451, 0.4021



67.1848, 0.1987, 0.3209

Triad

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



67.1848, 0.2451, 0.4021



67.1848, 0.2325, 0.2145



67.1848, 0.4636, 0.3737

Complementary

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



67.1848, 0.2451, 0.4021



19.1784, 0.6040, 0.3105

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.



67.1848, 0.4396, 0.3179



67.1848, 0.2451, 0.4021



67.1848, 0.2971, 0.2315

Square

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



67.1848, 0.2451, 0.4021



67.1848, 0.1934, 0.2214



67.1848, 0.3751, 0.2680



67.1848, 0.4411, 0.4275

Rectangle

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



67.1848, 0.2451, 0.4021



67.1848, 0.1841, 0.2745



67.1848, 0.3751, 0.2680



67.1848, 0.4610, 0.3549

Sweetspot

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



67.1874, 0.2451, 0.4021



87.2258, 0.2776, 0.3474



64.3938, 0.3083, 0.5931



18.3776, 0.2733, 0.3504



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.



67.1874, 0.2451, 0.4021



75.6349, 0.2452, 0.4028



38.1987, 0.1998, 0.2390



17.8659, 0.3010, 0.3343



36.1026, 0.2448, 0.4012



3.0179, 0.2418, 0.3905

Inverse Universe

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



19.1784, 0.6040, 0.3105



21.5473, 0.6062, 0.3113



22.7268, 0.6054, 0.3569



15.8159, 0.3259, 0.3238



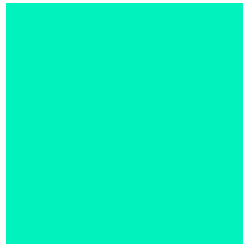
10.2973, 0.6018, 0.3089



0.8711, 0.5657, 0.2890

Previews

White Background



This preview shows how the Yxy color 67.1848, 0.2451, 0.4021 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 67.1848, 0.2451, 0.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

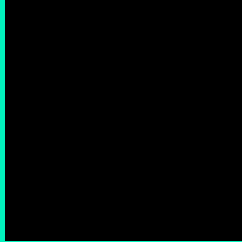
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.1848, 0.2451, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 67.1848, 0.2451, 0.4021.



This preview shows how white text looks on a background with the Yxy color 67.1848, 0.2451, 0.4021.

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

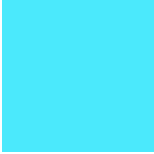
67.1848, 0.2451, 0.4021

Protanopia

65.9903, 0.3490, 0.3719

Deuteranopia

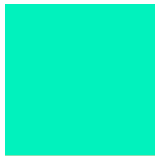
65.8710, 0.3444, 0.3377



Tritanopia

66.8020, 0.2268, 0.3053

Trichromacy



Original Color

67.1848, 0.2451, 0.4021



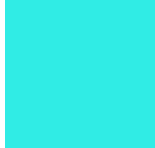
Protanomaly

61.8697, 0.2868, 0.3869



Deuteranomaly

60.7132, 0.2831, 0.3599



Tritanomaly

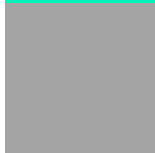
66.2764, 0.2312, 0.3379

Monochromacy



Original Color

67.1848, 0.2451, 0.4021



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.7197, 0.2636, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1848, 0.2451, 0.4021 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 189) }
```

Border

The CSS property to change the border of an element to Yxy 67.1848, 0.2451, 0.4021 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, 189) }
```

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

```
.border{ border-color:rgb(1, 242, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1848, 0.2451, 0.4021 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, 189) }
```

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

```
.background{ background-color: rgb(1, 242,  
189) }
```

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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