

Converting Colors

$Y_{xy}(67.0239, 0.2509, 0.4218)$

Have a look what the booklet for
Yxy(67.0239, 0.2509, 0.4218)
contains.

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Color

Yxy(67.2874, 0.2511, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	07F3B0
RGB	7, 243, 176
RGB Percent	3%, 95%, 69%
CMY	0.9712, 0.0470, 0.3098
CMYK	0.97, 0.00, 0.28, 0.05
HSL	163°, 94%, 49%
HSV	163°, 97%, 95%
XYZ	39.9808, 67.2874, 51.9543
YIQ	164.7980, -119.1490, -70.8690

Conversions

Conversions Part 2

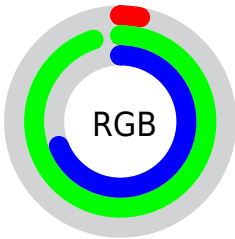
Format	Color
RYB	7, 145, 243
Decimal	521136
CIELab	85.65, -63.51, 18.97
CIELCh	86, 66.281, 163.367
Yxy	67.2874, 0.2511, 0.4226
Android (android.graphics.Color)	4278711216 (0xFF07F3B0)
YUV	164.7980, 5.5226, -138.3888
Hunter-Lab	82.0289, -56.5500, 19.8680

Details

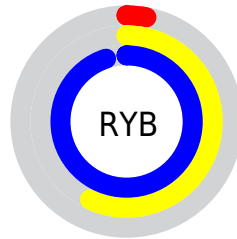
The Yxy color **67.2874, 0.2511, 0.4226** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.7155, 0.5772, 0.2972**, and the grayscale version is **37.5966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9236, 0.2521, 0.3563**, and **36.1280, 0.2562, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **67.1605, 0.2516, 0.4258**, and if you desaturate by 10%, it is **67.8247, 0.2501, 0.4119**.

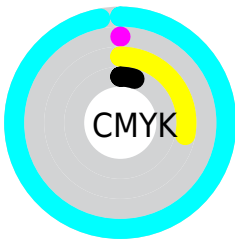
Distribution



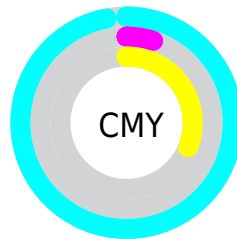
- Red (3%)
- Green (95%)
- Blue (69%)



- Red (3%)
- Yellow (57%)
- Blue (95%)



- Cyan (97%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)





- Cyan (97%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2874, 0.2511, 0.4226 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 67.2874, 0.2511, 0.4226 by changing the saturation by 10% instead.


 67.2874, 0.2511,
0.4226


 67.2874, 0.2511,
0.4226


450.9671, 0.2811,
0.3760


 49.3182, 0.2439,
0.4341


 115.3321, 0.2618,
0.4058


 34.8720, 0.2348,
0.4487


 146.1765, 0.2659,
0.3994


 23.5643, 0.2230,
0.4680

 182.0813, 0.2694,
0.3940

 15.0107, 0.2071,
0.4944

 223.4311, 0.2724,
0.3894

 8.8269, 0.1848,
0.5326

 270.6102, 0.2750,
0.3854

 4.6285, 0.1518,
0.5916

324.0029, 0.2773,

 2.0310, 0.0358,

0.3819

0.7558

383.9938, 0.2793,
0.3788

■ 0.6254, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2874, 0.2511,
0.4226

■ 67.2874, 0.2511,
0.4226

■ 67.1605, 0.2516,
0.4258

■ 67.8247, 0.2501,
0.4119


■ 68.6572, 0.2509,
0.4010


■ 69.8433, 0.2538,
0.3901

■ 71.4267, 0.2586,
0.3795

 73.4443, 0.2653,
0.3691

 75.9292, 0.2736,
0.3593

 78.9107, 0.2831,
0.3502

 82.4161, 0.2936,
0.3417

 86.4704, 0.3047,
0.3339

Harmonies

Analogous

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



67.2874, 0.3259, 0.4764



67.2874, 0.2511, 0.4226



67.2874, 0.1972, 0.3345

Triad

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



67.2874, 0.2511, 0.4226



67.2874, 0.2177, 0.2066



67.2874, 0.4741, 0.3648

Complementary

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



67.2874, 0.2511, 0.4226



19.7155, 0.5772, 0.2972

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.



67.2874, 0.4398, 0.3065



67.2874, 0.2511, 0.4226



67.2874, 0.2819, 0.2205

Square

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



67.2874, 0.2511, 0.4226



67.2874, 0.1815, 0.2181



67.2874, 0.3650, 0.2558



67.2874, 0.4570, 0.4234

Rectangle

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



67.2874, 0.2511, 0.4226



67.2874, 0.1784, 0.2814



67.2874, 0.3650, 0.2558



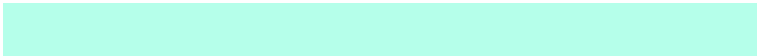
67.2874, 0.4685, 0.3449

Sweetspot

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



67.2900, 0.2511, 0.4226



87.2887, 0.2810, 0.3520



65.7458, 0.3146, 0.5869



18.3750, 0.2769, 0.3559



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.



67.2900, 0.2511, 0.4226



74.9178, 0.2517, 0.4261



45.9443, 0.2072, 0.2645



18.6728, 0.3019, 0.3358



36.8806, 0.2512, 0.4241



3.2590, 0.2474, 0.4107

Inverse Universe

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



19.7155, 0.5772, 0.2972



21.7345, 0.5865, 0.3005



21.7561, 0.6136, 0.3481



16.5600, 0.3249, 0.3223



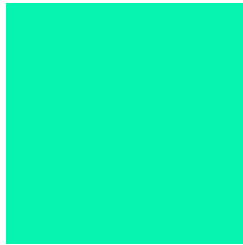
10.7143, 0.5819, 0.2979



0.9586, 0.5465, 0.2784

Previews

White Background



This preview shows how the Yxy color 67.2874, 0.2511, 0.4226 looks on a white background.

Color Contrast Check

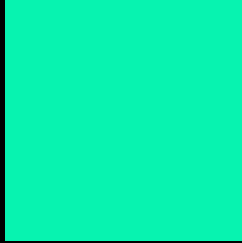
Large Text (above 18pt) WCAG AA × Fail

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 67.2874, 0.2511, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

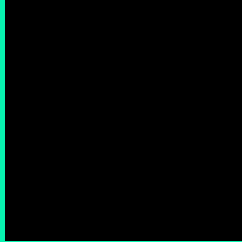
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2874, 0.2511, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 67.2874, 0.2511, 0.4226.



This preview shows how white text looks on a background with the Yxy color 67.2874, 0.2511, 0.4226.

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

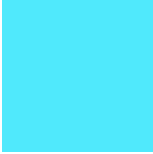
67.2809, 0.2511, 0.4226

Protanopia

65.9911, 0.3609, 0.3862

Deuteranopia

65.5658, 0.3571, 0.3496



Tritanopia

67.0116, 0.2280, 0.3054

Trichromacy



Original Color

67.2809, 0.2511, 0.4226



Protanomaly

61.7316, 0.2968, 0.4044



Deuteranomaly

60.6883, 0.2935, 0.3756



Tritanomaly

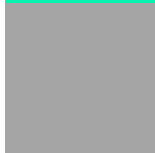
66.7345, 0.2345, 0.3458

Monochromacy



Original Color

67.2809, 0.2511, 0.4226



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

44.1926, 0.2680, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2874, 0.2511, 0.4226 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(7, 243, 176)` looks like.

```
.text, #text, p{  
    color:rgb(7, 243, 176)  
}
```

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(7, 243, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 243, 176) }
```

Border

The CSS property to change the border of an element to Yxy 67.2874, 0.2511, 0.4226 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(7, 243, 176) }
```

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

```
.border{ border-color:rgb(7, 243, 176) }
```

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

Here you see how a box with a 4 pixel rgb(7, 243, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 243, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 243, 176);  
box-shadow:4px 4px 4px 4px rgb(7, 243,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2874, 0.2511, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 243, 176) }
```

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

```
.background{ background-color: rgb(7, 243,  
176) }
```

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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