

Converting Colors

$Y_{xy}(67.9479, 0.2396, 0.3825)$

Have a look what the booklet for
Yxy(67.9479, 0.2396, 0.3825)
contains.

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Color

Yxy(67.8161, 0.2394, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	01F2CB
RGB	1, 242, 203
RGB Percent	0%, 95%, 80%
CMY	0.9946, 0.0510, 0.2039
CMYK	0.99, 0.00, 0.16, 0.05
HSL	170°, 99%, 48%
HSV	170°, 99%, 95%
XYZ	42.5450, 67.8161, 67.3540
YIQ	165.4950, -131.1170, -63.2210

Conversions

Conversions Part 2

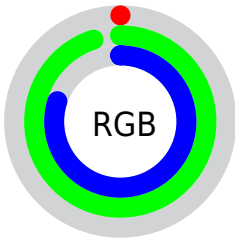
Format	Color
RYB	1, 132, 242
Decimal	127691
CIELab	85.91, -56.81, 5.30
CIELCh	86, 57.055, 174.667
Yxy	67.8161, 0.2394, 0.3816
Android (android.graphics.Color)	4278317771 (0xFF01F2CB)
YUV	165.4950, 18.4900, -144.2621
Hunter-Lab	82.3505, -51.8944, 9.1524

Details

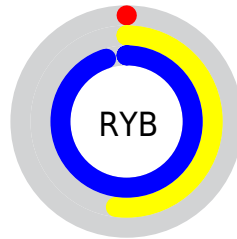
The Yxy color **67.8161, 0.2394, 0.3816** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.0606, 0.6186, 0.3185**, and the grayscale version is **37.8875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **36.8678, 0.2423, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **67.7992, 0.2394, 0.3819**, and if you desaturate by 10%, it is **68.2132, 0.2392, 0.3758**.

Distribution



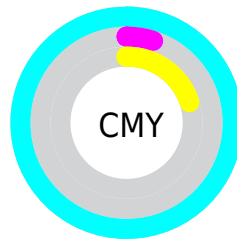
- Red (0%)
- Green (95%)
- Blue (80%)



- Red (0%)
- Yellow (52%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)





- Cyan (99%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8161, 0.2394, 0.3816 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 67.8161, 0.2394, 0.3816 by changing the saturation by 10% instead.


 67.8161, 0.2394,
0.3816

 67.8161, 0.2394,
0.3816

452.8442, 0.2737,
0.3565


 49.7481, 0.2315,
0.3875


 116.0890, 0.2514,
0.3727


 35.2133, 0.2218,
0.3949


 147.0628, 0.2560,
0.3693


 23.8272, 0.2094,
0.4044


 183.1072, 0.2600,
0.3664

 15.2055, 0.1933,
0.4170

 224.6068, 0.2634,
0.3639

 8.9638, 0.1716,
0.4345

 271.9459, 0.2665,
0.3617

 4.7175, 0.1410,
0.4603

325.5089, 0.2692,

 2.0825, 0.0712,

0.3598

385.6802, 0.2716,
0.3580

0.5151

0.6548, 0.0000,
0.6568

0.0000, 0.0000,
0.0000

67.8161, 0.2394,
0.3816

67.8161, 0.2394,
0.3816


67.7992, 0.2394,
0.3819

68.2132, 0.2392,
0.3758


68.8655, 0.2407,
0.3700


69.8467, 0.2440,
0.3642


71.2018, 0.2494,
0.3584

 72.9688, 0.2566,
0.3527

 75.1808, 0.2656,
0.3473

 77.8677, 0.2761,
0.3421

 81.0568, 0.2877,
0.3373

 84.7731, 0.3003,
0.3328

Harmonies

Analogous

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



67.8161, 0.3002, 0.4420



67.8161, 0.2394, 0.3816



67.8161, 0.2009, 0.3080

Triad

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



67.8161, 0.2394, 0.3816



67.8161, 0.2486, 0.2233



67.8161, 0.4519, 0.3826

Complementary

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



67.8161, 0.2394, 0.3816



19.0606, 0.6186, 0.3185

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.



67.8161, 0.4381, 0.3298



67.8161, 0.2394, 0.3816



67.8161, 0.3128, 0.2433

Square

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



67.8161, 0.2394, 0.3816



67.8161, 0.2064, 0.2252



67.8161, 0.3846, 0.2809



67.8161, 0.4242, 0.4305

Rectangle

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



67.8161, 0.2394, 0.3816



67.8161, 0.1906, 0.2682



67.8161, 0.3846, 0.2809



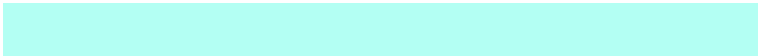
67.8161, 0.4523, 0.3650

Sweetspot

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



67.8187, 0.2394, 0.3816



87.4916, 0.2753, 0.3424



63.9817, 0.3046, 0.5961



18.4418, 0.2708, 0.3446



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.



67.8187, 0.2394, 0.3816



76.3594, 0.2395, 0.3821



32.1835, 0.1931, 0.2149



17.8824, 0.3002, 0.3328



36.4434, 0.2392, 0.3810



3.0434, 0.2370, 0.3733

Inverse Universe

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



19.0606, 0.6186, 0.3185



21.4222, 0.6203, 0.3191



24.8495, 0.5893, 0.3698



15.8006, 0.3268, 0.3252



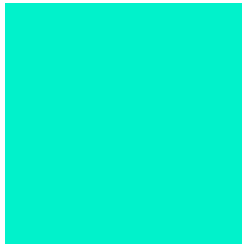
10.2334, 0.6167, 0.3171



0.8636, 0.5838, 0.2990

Previews

White Background



This preview shows how the Yxy color 67.8161, 0.2394, 0.3816 looks on a white background.

Color Contrast Check

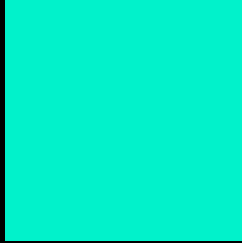
Large Text (above 18pt) WCAG AA × Fail

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 67.8161, 0.2394, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

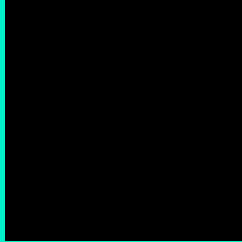
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

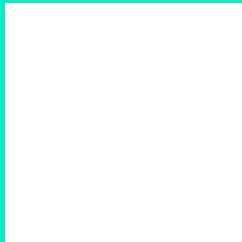
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8161, 0.2394, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 67.8161, 0.2394, 0.3816.

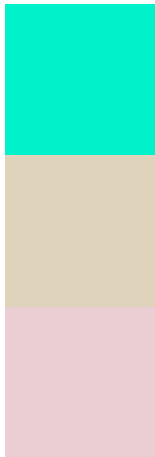


This preview shows how white text looks on a background with the Yxy color 67.8161, 0.2394, 0.3816.

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

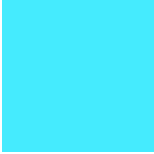
67.8225, 0.2394, 0.3816

Protanopia

66.3628, 0.3388, 0.3571

Deuteranopia

66.3382, 0.3306, 0.3237



Tritanopia

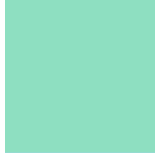
67.8376, 0.2253, 0.3054

Trichromacy



Original Color

67.8225, 0.2394, 0.3816



Protanomaly

62.3764, 0.2782, 0.3679



Deuteranomaly

61.6067, 0.2733, 0.3428



Tritanomaly

67.6827, 0.2290, 0.3326

Monochromacy



Original Color

67.8225, 0.2394, 0.3816



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.9024, 0.2611, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8161, 0.2394, 0.3816 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 203) }
```

Border

The CSS property to change the border of an element to Yxy 67.8161, 0.2394, 0.3816 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, 203) }
```

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

```
.border{ border-color:rgb(1, 242, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8161, 0.2394, 0.3816 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, 203) }
```

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

```
.background{ background-color: rgb(1, 242,  
203) }
```

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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