

Converting Colors

$Y_{xy}(81.0132, 0.2446, 0.3942)$

Have a look what the booklet for
Yxy(81.0132, 0.2446, 0.3942)
contains.

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Color

Yxy(76.4644, 0.2427, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	1FFFD2
RGB	31, 255, 210
RGB Percent	12%, 100%, 82%
CMY	0.8770, 0.0000, 0.1765
CMYK	0.88, 0.00, 0.18, 0.00
HSL	168°, 100%, 56%
HSV	168°, 88%, 100%
XYZ	47.9656, 76.4644, 73.2034
YIQ	182.8940, -119.0590, -61.4830

Conversions

Conversions Part 2

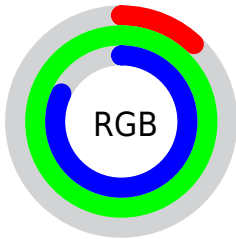
Format	Color
R _Y B	31, 156, 255
Decimal	2097106
CIE Lab	90.07, -59.14, 7.68
CIE LCh	90, 59.637, 172.602
Yxy	76.4644, 0.2427, 0.3869
Android (android.graphics.Color)	4280287186 (0xFF1FFFD2)
YUV	182.8940, 13.3633, -133.2110
Hunter-Lab	87.4439, -55.1142, 11.5763

Details

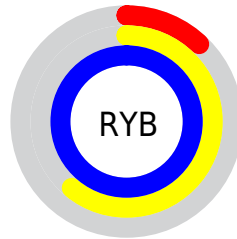
The Yxy color **76.4644, 0.2427, 0.3869** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.7852, 0.5750, 0.3043**, and the grayscale version is **47.3287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **42.3328, 0.2437, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **75.9565, 0.2431, 0.3942**, and if you desaturate by 10%, it is **77.2961, 0.2441, 0.3795**.

Distribution



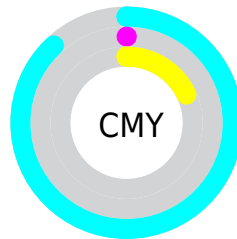
- Red (12%)
- Green (100%)
- Blue (82%)



- Red (12%)
- Yellow (61%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (88%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4644, 0.2427, 0.3869 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 76.4644, 0.2427, 0.3869 by changing the saturation by 10% instead.

 76.4644, 0.2427,
0.3869

 76.4644, 0.2427,
0.3869


482.9359, 0.2749,
0.3596


 56.8134, 0.2354,
0.3932


 128.3831, 0.2538,
0.3773

 40.8554, 0.2265,
0.4011


 161.4197, 0.2582,
0.3736

 28.2061, 0.2152,
0.4112


 199.6868, 0.2619,
0.3705

 18.4811, 0.2007,
0.4245

 243.5690, 0.2652,
0.3677

 11.2960, 0.1813,
0.4427

293.4506, 0.2681,
0.3653

 6.2663, 0.1544,
0.4691


349.7161, 0.2706,


 3.0077, 0.1137,


0.3632


0.5114


412.7497, 0.2729,
0.3613


 1.1357, 0.0000,
0.6264


 0.0083, 0.0000,
1.0000


 76.4644, 0.2427,
0.3869


 76.4644, 0.2427,
0.3869


 75.9565, 0.2431,
0.3942


 77.2961, 0.2441,
0.3795

 75.8619, 0.2433,
0.3959

 78.5086, 0.2475,
0.3720


 80.1545, 0.2528,
0.3647

 82.2761, 0.2601,
0.3576

 84.9102, 0.2690,
0.3508

 88.0905, 0.2793,
0.3443

 91.8474, 0.2907,
0.3384

 96.2091, 0.3029,
0.3329

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



76.4644, 0.3048, 0.4452



76.4644, 0.2427, 0.3869



76.4644, 0.2022, 0.3127

Triad

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



76.4644, 0.2427, 0.3869



76.4644, 0.2447, 0.2223



76.4644, 0.4530, 0.3791

Complementary

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



76.4644, 0.2427, 0.3869



22.7852, 0.5750, 0.3043

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.



76.4644, 0.4361, 0.3262



76.4644, 0.2427, 0.3869



76.4644, 0.3079, 0.2410

Square

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



76.4644, 0.2427, 0.3869



76.4644, 0.2041, 0.2259



76.4644, 0.3802, 0.2777



76.4644, 0.4276, 0.4280

Rectangle

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



76.4644, 0.2427, 0.3869



76.4644, 0.1907, 0.2715



76.4644, 0.3802, 0.2777



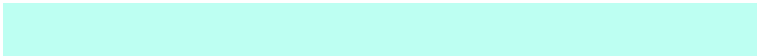
76.4644, 0.4523, 0.3615

Sweetspot

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



76.4674, 0.2427, 0.3869



88.6909, 0.2812, 0.3433



73.3156, 0.3119, 0.5818



18.7268, 0.2774, 0.3454



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.



76.4674, 0.2427, 0.3869



75.8650, 0.2433, 0.3959



45.0555, 0.2035, 0.2452



20.4151, 0.3007, 0.3338



39.6631, 0.2430, 0.3947



3.8770, 0.2406, 0.3863

Inverse Universe

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



22.7852, 0.5750, 0.3043



21.5017, 0.6112, 0.3141



29.4956, 0.5719, 0.3702



18.0468, 0.3263, 0.3242



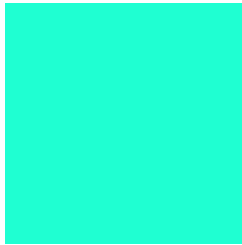
11.2519, 0.6077, 0.3121



1.1102, 0.5778, 0.2957

Previews

White Background



This preview shows how the Yxy color 76.4644, 0.2427, 0.3869 looks on a white background.

Color Contrast Check

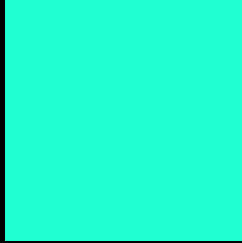
Large Text (above 18pt) WCAG AA × Fail

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 76.4644, 0.2427, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

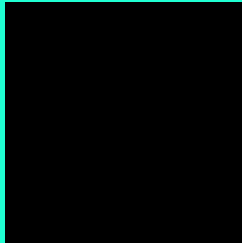
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

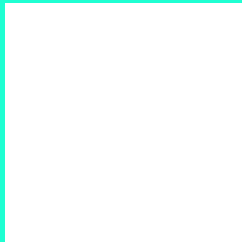
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4644, 0.2427, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 76.4644, 0.2427, 0.3869.



This preview shows how white text looks on a background with the Yxy color 76.4644, 0.2427, 0.3869.

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

76.4644, 0.2427, 0.3869

Protanopia

74.8685, 0.3408, 0.3612

Deuteranopia

74.6441, 0.3348, 0.3280



Tritanopia

75.4695, 0.2507, 0.3117

Trichromacy



Original Color

76.4644, 0.2427, 0.3869



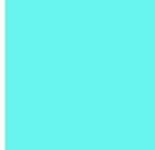
Protanomaly

71.1639, 0.2863, 0.3716



Deuteranomaly

70.4931, 0.2824, 0.3480



Tritanomaly

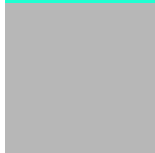
74.4204, 0.2431, 0.3361

Monochromacy



Original Color

76.4644, 0.2427, 0.3869



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

54.0404, 0.2682, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4644, 0.2427, 0.3869 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(31, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(31, 255, 210)  
}
```

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(31, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 76.4644, 0.2427, 0.3869 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(31, 255, 210) }
```

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

```
.border{ border-color:rgb(31, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4644, 0.2427, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 210) }
```

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

```
.background{ background-color: rgb(31, 255,  
210) }
```

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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