

Converting Colors

$Yxy(76.8129, 0.2448, 0.3866)$

Have a look what the booklet for
Yxy(76.8129, 0.2448, 0.3866)
contains.

Yxy(76.8261, 0.2449, 0.3866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.8261, 0.2449, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	31FFD2
RGB	49, 255, 210
RGB Percent	19%, 100%, 82%
CMY	0.8068, 0.0000, 0.1765
CMYK	0.81, 0.00, 0.18, 0.00
HSL	167°, 100%, 60%
HSV	167°, 81%, 100%
XYZ	48.6671, 76.8261, 73.2292
YIQ	188.2760, -108.3310, -57.6670

Conversions

Conversions Part 2

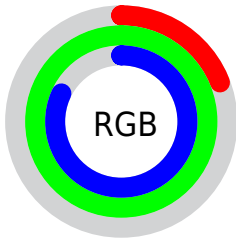
Format	Color
RYB	49, 165, 255
Decimal	3276754
CIELab	90.24, -57.93, 7.95
CIElCh	90, 58.472, 172.189
Yxy	76.8261, 0.2449, 0.3866
Android (android.graphics.Color)	4281466834 (0xFF31FFD2)
YUV	188.2760, 10.7099, -122.1451
Hunter-Lab	87.6505, -54.2779, 11.8204

Details

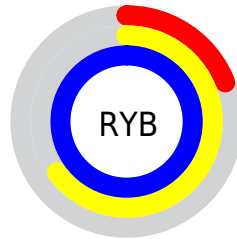
The Yxy color **76.8261, 0.2449, 0.3866** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2902, 0.5434, 0.2974**, and the grayscale version is **50.4821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **42.3328, 0.2437, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **76.0877, 0.2442, 0.3947**, and if you desaturate by 10%, it is **77.9387, 0.2475, 0.3784**.

Distribution



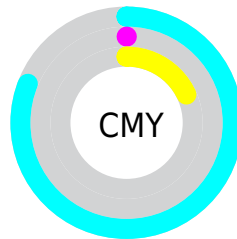
- Red (19%)
- Green (100%)
- Blue (82%)



- Red (19%)
- Yellow (65%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (81%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8261, 0.2449, 0.3866 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 76.8261, 0.2449, 0.3866 by changing the saturation by 10% instead.


 76.8261, 0.2449,
0.3866

 76.8261, 0.2449,
0.3866

484.1709, 0.2761,
0.3594

 57.1102, 0.2378,
0.3929


 128.8940, 0.2557,
0.3771


 41.0937, 0.2291,
0.4008

 162.0147, 0.2599,
0.3734

 28.3923, 0.2182,
0.4108


 200.3725, 0.2635,
0.3703

 18.6216, 0.2041,
0.4240

 244.3517, 0.2667,
0.3675

 11.3972, 0.1853,
0.4422

294.3367, 0.2695,
0.3651

 6.3346, 0.1590,
0.4686

350.7120, 0.2720,

 3.0496, 0.1198,

0.3630

413.8620, 0.2742,
0.3611

0.5105

■ 1.1577, 0.0000,
0.6303

■ 0.0267, 0.0000,
1.0000

■ 76.8261, 0.2449,
0.3866

■ 76.8261, 0.2449,
0.3866

■ 76.0877, 0.2442,
0.3947

■ 77.9387, 0.2475,
0.3784

■ 75.6506, 0.2451,
0.4022


■ 79.4693, 0.2522,
0.3704

■ 81.4650, 0.2587,
0.3625

■ 83.9642, 0.2670,
0.3549

 87.0014, 0.2768,
0.3477

 90.6079, 0.2877,
0.3411

 94.8126, 0.2995,
0.3349

 99.6425, 0.3119,
0.3294

 99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



76.8261, 0.3060, 0.4430



76.8261, 0.2449, 0.3866



76.8261, 0.2047, 0.3141

Triad

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



76.8261, 0.2449, 0.3866



76.8261, 0.2453, 0.2241



76.8261, 0.4502, 0.3778

Complementary

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



76.8261, 0.2449, 0.3866



24.2902, 0.5434, 0.2974

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.



76.8261, 0.4330, 0.3258



76.8261, 0.2449, 0.3866



76.8261, 0.3071, 0.2422

Square

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



76.8261, 0.2449, 0.3866



76.8261, 0.2057, 0.2281



76.8261, 0.3779, 0.2781



76.8261, 0.4261, 0.4257

Rectangle

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



76.8261, 0.2449, 0.3866



76.8261, 0.1930, 0.2736



76.8261, 0.3779, 0.2781



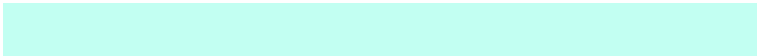
76.8261, 0.4493, 0.3604

Sweetspot

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



76.8291, 0.2449, 0.3866



89.3504, 0.2840, 0.3432



74.2968, 0.3159, 0.5686



18.8501, 0.2801, 0.3456



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.



76.8291, 0.2449, 0.3866



75.7814, 0.2447, 0.3998



49.2487, 0.2092, 0.2575



20.4094, 0.3009, 0.3342



39.5539, 0.2447, 0.4009



3.8673, 0.2421, 0.3917

Inverse Universe

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



24.2902, 0.5434, 0.2974



21.7712, 0.5987, 0.3090



31.4080, 0.5521, 0.3708



18.0521, 0.3260, 0.3238



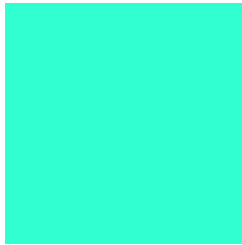
11.2748, 0.6029, 0.3095



1.1132, 0.5723, 0.2926

Previews

White Background



This preview shows how the Yxy color 76.8261, 0.2449, 0.3866 looks on a white background.

Color Contrast Check

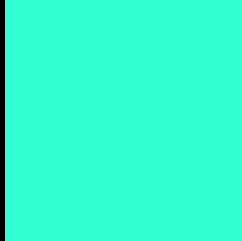
Large Text (above 18pt) WCAG AA × Fail

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 76.8261, 0.2449, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

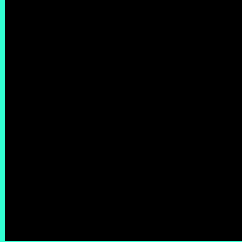
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8261, 0.2449, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 76.8261, 0.2449, 0.3866.



This preview shows how white text looks on a background with the Yxy color 76.8261, 0.2449, 0.3866.

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

76.8261, 0.2449, 0.3866

Protanopia

75.0392, 0.3416, 0.3611

Deuteranopia

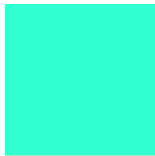
74.8274, 0.3355, 0.3280



Tritanopia

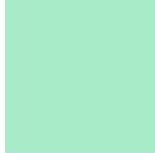
76.3336, 0.2522, 0.3129

Trichromacy



Original Color

76.8261, 0.2449, 0.3866



Protanomaly

71.9116, 0.2905, 0.3712



Deuteranomaly

71.2882, 0.2866, 0.3478



Tritanomaly

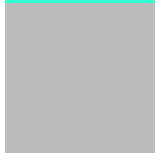
75.5230, 0.2460, 0.3372

Monochromacy



Original Color

76.8261, 0.2449, 0.3866



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.4758, 0.2728, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8261, 0.2449, 0.3866 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(49, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 76.8261, 0.2449, 0.3866 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(49, 255, 210) }
```

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

```
.border{ border-color:rgb(49, 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(49, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(49, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8261, 0.2449, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 255, 210) }
```

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

```
.background{ background-color: rgb(49, 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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