

Converting Colors

$Yxy(76.9045, 0.2443, 0.3846)$

Have a look what the booklet for
Yxy(76.9045, 0.2443, 0.3846)
contains.

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Color

Yxy(76.8761, 0.2445, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	31FFD3
RGB	49, 255, 211
RGB Percent	19%, 100%, 83%
CMY	0.8067, 0.0000, 0.1725
CMYK	0.81, 0.00, 0.17, 0.00
HSL	167°, 100%, 60%
HSV	167°, 81%, 100%
XYZ	48.7960, 76.8761, 73.9024
YIQ	188.3900, -108.6520, -57.3560

Conversions

Conversions Part 2

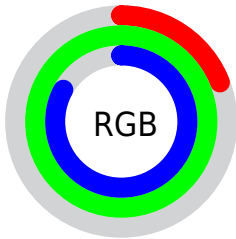
Format	Color
RYB	49, 164, 255
Decimal	3276755
CIELab	90.26, -57.68, 7.45
CIELCh	90, 58.155, 172.639
Yxy	76.8761, 0.2445, 0.3852
Android (android.graphics.Color)	4281466835 (0xFF31FFD3)
YUV	188.3900, 11.1467, -122.2450
Hunter-Lab	87.6790, -54.0977, 11.4013

Details

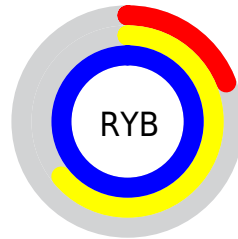
The Yxy color **76.8761, 0.2445, 0.3852** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2755, 0.5448, 0.2983**, and the grayscale version is **50.5559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.1415, 0.2438, 0.3931**, and if you desaturate by 10%, it is **77.9845, 0.2472, 0.3772**.

Distribution



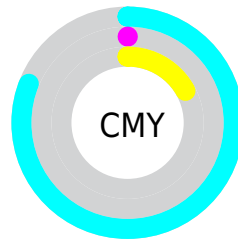
- Red (19%)
- Green (100%)
- Blue (83%)



- Red (19%)
- Yellow (64%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8761, 0.2445, 0.3852 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 76.8761, 0.2445, 0.3852 by changing the saturation by 10% instead.

 76.8761, 0.2445,
0.3852


 76.8761, 0.2445,
0.3852


484.3415, 0.2759,
0.3587


 57.1512, 0.2374,
0.3913


 128.9646, 0.2553,
0.3759


 41.1266, 0.2287,
0.3990


 162.0969, 0.2596,
0.3724

 28.4181, 0.2178,
0.4087

 200.4672, 0.2632,
0.3693

 18.6410, 0.2036,
0.4215

 244.4598, 0.2664,
0.3666

 11.4112, 0.1848,
0.4391

294.4592, 0.2692,
0.3643

 6.3441, 0.1586,
0.4645


350.8496, 0.2717,


 3.0554, 0.1197,


0.3622


0.5047


414.0156, 0.2739,
0.3604


 1.1607, 0.0000,
0.6184


 0.0293, 0.0000,
1.0000


 76.8761, 0.2445,
0.3852


 76.8761, 0.2445,
0.3852


 76.1415, 0.2438,
0.3931

 77.9845, 0.2472,
0.3772

 75.7071, 0.2446,
0.4004

 79.5107, 0.2519,
0.3694


 81.5015, 0.2585,
0.3617


 83.9955, 0.2668,
0.3543

 87.0270, 0.2766,
0.3473

 90.6275, 0.2876,
0.3408

 94.8257, 0.2994,
0.3348

 99.6486, 0.3119,
0.3293

 99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



76.8761, 0.3051, 0.4417



76.8761, 0.2445, 0.3852



76.8761, 0.2048, 0.3132

Triad

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



76.8761, 0.2445, 0.3852



76.8761, 0.2464, 0.2247



76.8761, 0.4494, 0.3784

Complementary

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



76.8761, 0.2445, 0.3852



24.2755, 0.5448, 0.2983

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.



76.8761, 0.4328, 0.3266



76.8761, 0.2445, 0.3852



76.8761, 0.3082, 0.2430

Square

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



76.8761, 0.2445, 0.3852



76.8761, 0.2066, 0.2283



76.8761, 0.3785, 0.2790



76.8761, 0.4249, 0.4259

Rectangle

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



76.8761, 0.2445, 0.3852



76.8761, 0.1934, 0.2731



76.8761, 0.3785, 0.2790



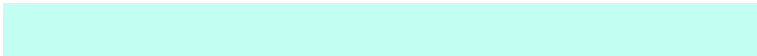
76.8761, 0.4487, 0.3611

Sweetspot

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



76.8791, 0.2445, 0.3852



89.3686, 0.2838, 0.3429



74.1117, 0.3145, 0.5696



18.8545, 0.2799, 0.3452



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.



76.8791, 0.2445, 0.3852



75.8391, 0.2442, 0.3981



47.6819, 0.2080, 0.2528



20.4110, 0.3009, 0.3341



39.5844, 0.2442, 0.3991



3.8700, 0.2417, 0.3901

Inverse Universe

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



24.2755, 0.5448, 0.2983



21.7580, 0.6001, 0.3098



32.1193, 0.5486, 0.3740



18.0506, 0.3261, 0.3239



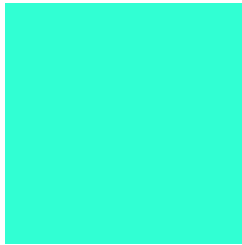
11.2681, 0.6042, 0.3102



1.1123, 0.5739, 0.2935

Previews

White Background



This preview shows how the Yxy color 76.8761, 0.2445, 0.3852 looks on a white background.

Color Contrast Check

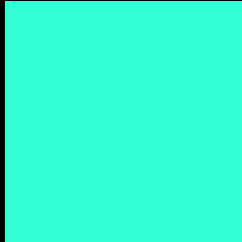
Large Text (above 18pt) WCAG AA × Fail

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 76.8761, 0.2445, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

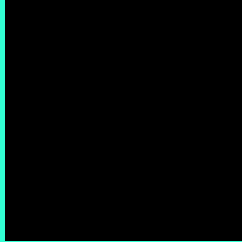
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8761, 0.2445, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 76.8761, 0.2445, 0.3852.

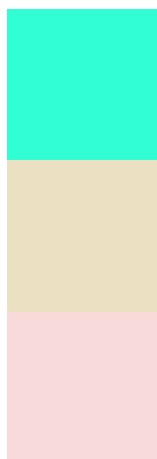


This preview shows how white text looks on a background with the Yxy color 76.8761, 0.2445, 0.3852.

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

76.8761, 0.2445, 0.3852

Protanopia

75.0843, 0.3409, 0.3600

Deuteranopia

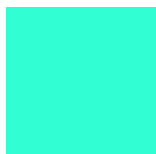
75.3970, 0.3347, 0.3280



Tritanopia

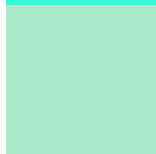
76.4265, 0.2527, 0.3129

Trichromacy



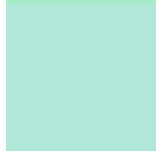
Original Color

76.8761, 0.2445, 0.3852



Protanomaly

71.9585, 0.2899, 0.3699



Deuteranomaly

71.3398, 0.2860, 0.3466



Tritanomaly

75.5883, 0.2463, 0.3372

Monochromacy



Original Color

76.8761, 0.2445, 0.3852



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 76.8761, 0.2445, 0.3852 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(49, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 76.8761, 0.2445, 0.3852 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, 211) }
```

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

```
.border{ border-color:rgb(49, 255, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(49, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8761, 0.2445, 0.3852 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, 211) }
```

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

```
.background{ background-color: rgb(49, 255,  
211) }
```

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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