

Converting Colors

$Y_{xy}(76.6185, 0.2432, 0.3860)$

Have a look what the booklet for
Yxy(76.6185, 0.2432, 0.3860)
contains.

Yxy(76.6352, 0.2430, 0.3854)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.6352, 0.2430, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	26FFD3
RGB	38, 255, 211
RGB Percent	15%, 100%, 83%
CMY	0.8510, 0.0000, 0.1724
CMYK	0.85, 0.00, 0.17, 0.00
HSL	168°, 100%, 57%
HSV	168°, 85%, 100%
XYZ	48.3195, 76.6352, 73.8911
YIQ	185.1010, -115.2080, -59.6880

Conversions

Conversions Part 2

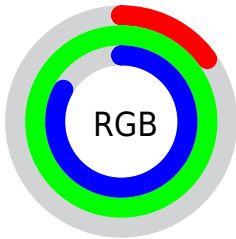
Format	Color
R_{YB}	38, 159, 255
Decimal	2555859
CIE _{Lab}	90.15, -58.50, 7.27
CIE _{LCh}	90, 58.954, 172.918
Yxy	76.6352, 0.2430, 0.3854
Android (android.graphics.Color)	4280745939 (0xFF26FFD3)
YUV	185.1010, 12.7682, -129.0076
Hunter-Lab	87.5415, -54.6726, 11.2342

Details

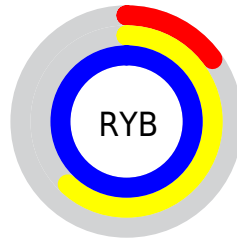
The Yxy color **76.6352, 0.2430, 0.3854** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.2553, 0.5652, 0.3025**, and the grayscale version is **48.5526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.0514, 0.2430, 0.3928**, and if you desaturate by 10%, it is **77.5615, 0.2449, 0.3779**.

Distribution



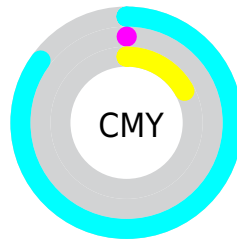
- Red (15%)
- Green (100%)
- Blue (83%)



- Red (15%)
- Yellow (62%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6352, 0.2430, 0.3854 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 76.6352, 0.2430, 0.3854 by changing the saturation by 10% instead.

 76.6352, 0.2430,
0.3854


 76.6352, 0.2430,
0.3854


483.5193, 0.2751,
0.3589


 56.9535, 0.2358,
0.3916

 128.6244, 0.2541,
0.3761

 40.9679, 0.2269,
0.3992

 161.7007, 0.2584,
0.3725

 28.2940, 0.2157,
0.4089

 200.0107, 0.2621,
0.3694

 18.5474, 0.2013,
0.4218

 243.9387, 0.2654,
0.3668

 11.3437, 0.1821,
0.4394

293.8692, 0.2682,
0.3644

 6.2985, 0.1554,
0.4648


350.1865, 0.2708,


 3.0274, 0.1156,


0.3623


0.5052


413.2751, 0.2730,
0.3605


 1.1461, 0.0000,
0.6156

 0.0170, 0.0000,
1.0000


 76.6352, 0.2430,
0.3854


 76.6352, 0.2430,
0.3854


 76.0514, 0.2430,
0.3928


 77.5615, 0.2449,
0.3779

 75.8475, 0.2435,
0.3965


 78.8839, 0.2488,
0.3704


 80.6515, 0.2546,
0.3631

 82.9048, 0.2623,
0.3560

 85.6800, 0.2716,
0.3492

 89.0096, 0.2822,
0.3428

 92.9235, 0.2939,
0.3369

 97.4495, 0.3062,
0.3315

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.6352, 0.3043, 0.4432



76.6352, 0.2430, 0.3854



76.6352, 0.2032, 0.3122

Triad

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



76.6352, 0.2430, 0.3854



76.6352, 0.2460, 0.2235



76.6352, 0.4513, 0.3793

Complementary

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



76.6352, 0.2430, 0.3854



23.2553, 0.5652, 0.3025

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.



76.6352, 0.4350, 0.3269



76.6352, 0.2430, 0.3854



76.6352, 0.3087, 0.2422

Square

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



76.6352, 0.2430, 0.3854



76.6352, 0.2055, 0.2269



76.6352, 0.3801, 0.2788



76.6352, 0.4260, 0.4275

Rectangle

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



76.6352, 0.2430, 0.3854



76.6352, 0.1919, 0.2717



76.6352, 0.3801, 0.2788



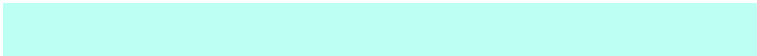
76.6352, 0.4507, 0.3618

Sweetspot

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



76.6367, 0.2430, 0.3854



88.6852, 0.2812, 0.3434



73.5922, 0.3129, 0.5777



18.7254, 0.2775, 0.3455



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.



76.6367, 0.2430, 0.3854



75.8475, 0.2435, 0.3965



46.0014, 0.2050, 0.2480



20.4147, 0.3007, 0.3339



39.6540, 0.2431, 0.3952



3.8762, 0.2408, 0.3867

Inverse Universe

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



23.2553, 0.5652, 0.3025



21.5050, 0.6109, 0.3139



30.4160, 0.5636, 0.3719



18.0473, 0.3262, 0.3242



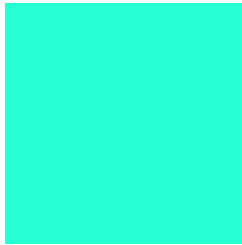
11.2537, 0.6073, 0.3119



1.1105, 0.5774, 0.2954

Previews

White Background



This preview shows how the Yxy color 76.6352, 0.2430, 0.3854 looks on a white background.

Color Contrast Check

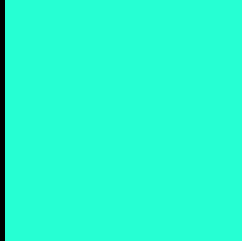
Large Text (above 18pt) WCAG AA × Fail

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 76.6352, 0.2430, 0.3854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

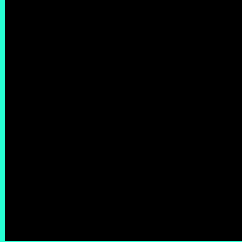
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6352, 0.2430, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 76.6352, 0.2430, 0.3854.

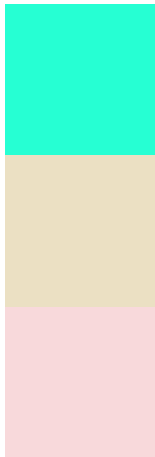


This preview shows how white text looks on a background with the Yxy color 76.6352, 0.2430, 0.3854.

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

76.6352, 0.2430, 0.3854

Protanopia

74.9136, 0.3402, 0.3601

Deuteranopia

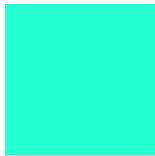
74.6966, 0.3341, 0.3270



Tritanopia

76.1503, 0.2514, 0.3128

Trichromacy



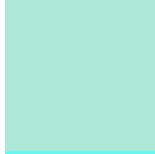
Original Color

76.6352, 0.2430, 0.3854



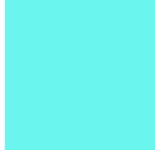
Protanomaly

71.4202, 0.2870, 0.3702



Deuteranomaly

70.8804, 0.2836, 0.3467



Tritanomaly

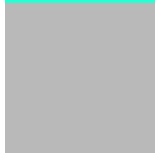
75.2077, 0.2443, 0.3373

Monochromacy



Original Color

76.6352, 0.2430, 0.3854



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.8938, 0.2701, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6352, 0.2430, 0.3854 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(38, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(38, 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(38, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 76.6352, 0.2430, 0.3854 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(38, 255, 211) }
```

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

```
.border{ border-color:rgb(38, 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(38, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6352, 0.2430, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 211) }
```

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

```
.background{ background-color: rgb(38, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor