

Converting Colors

$Y_{xy}(76.2752, 0.2502, 0.4039)$

Have a look what the booklet for
Yxy(76.2752, 0.2502, 0.4039)
contains.

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Color

Yxy(76.2550, 0.2504, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	33FFC5
RGB	51, 255, 197
RGB Percent	20%, 100%, 77%
CMY	0.7999, 0.0000, 0.2274
CMYK	0.80, 0.00, 0.23, 0.00
HSL	163°, 100%, 60%
HSV	163°, 80%, 100%
XYZ	47.2046, 76.2550, 65.0571
YIQ	187.3920, -102.9660, -61.2860

Conversions

Conversions Part 2

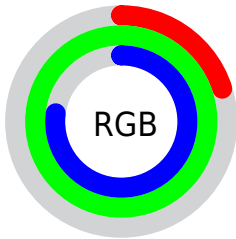
Format	Color
RYB	51, 170, 255
Decimal	3407813
CIELab	89.98, -60.84, 14.27
CIELCh	90, 62.490, 166.801
Yxy	76.2550, 0.2504, 0.4045
Android (android.graphics.Color)	4281597893 (0xFF33FFC5)
YUV	187.3920, 4.7367, -119.6158
Hunter-Lab	87.3241, -56.3259, 16.9554

Details

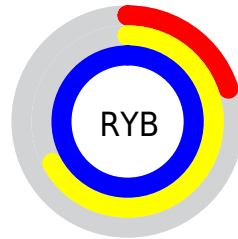
The Yxy color **76.2550, 0.2504, 0.4045** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.7352, 0.5206, 0.2850**, and the grayscale version is **49.9492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5011, 0.2490, 0.3299**, and **41.9157, 0.2502, 0.4208** is the 20% darker color. If you saturate the color by 10%, you get **75.4406, 0.2502, 0.4154**, and if you desaturate by 10%, it is **77.4504, 0.2526, 0.3936**.

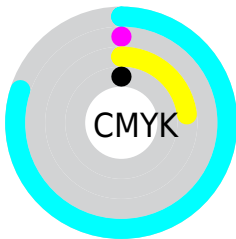
Distribution



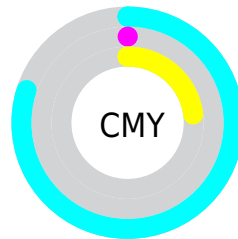
- Red (20%)
- Green (100%)
- Blue (77%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2550, 0.2504, 0.4045 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 76.2550, 0.2504, 0.4045 by changing the saturation by 10% instead.


 76.2550, 0.2504,
0.4045

 76.2550, 0.2504,
0.4045

482.2202, 0.2796,
0.3682


 56.6416, 0.2437,
0.4131


 128.0873, 0.2606,
0.3916


 40.7176, 0.2353,
0.4240


 161.0750, 0.2646,
0.3867

 28.0985, 0.2247,
0.4379


 199.2896, 0.2680,
0.3825

 18.3999, 0.2108,
0.4566

 243.1156, 0.2709,
0.3788

 11.2375, 0.1919,
0.4828

292.9372, 0.2735,
0.3757

 6.2268, 0.1650,
0.5217


349.1389, 0.2758,

 2.9835, 0.1214,


0.3729


0.5869


412.1051, 0.2778,
0.3704

 1.1231, 0.0000,
0.8456


 0.0000, 0.0000,
0.0000

 76.2550, 0.2504,
0.4045


 76.2550, 0.2504,
0.4045


 75.4406, 0.2502,
0.4154

 77.4504, 0.2526,
0.3936

 74.9186, 0.2517,
0.4261


 79.0754, 0.2569,
0.3828


 74.9180, 0.2517,
0.4261

 81.1748, 0.2630,
0.3723

 83.7869, 0.2708,
0.3623

 86.9461, 0.2800,
0.3529

 90.6836, 0.2903,
0.3442

 95.0282, 0.3013,
0.3362

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.



76.2550, 0.3177, 0.4581



76.2550, 0.2504, 0.4045



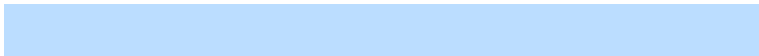
76.2550, 0.2033, 0.3259

Triad

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



76.2550, 0.2504, 0.4045



76.2550, 0.2314, 0.2167



76.2550, 0.4598, 0.3698

Complementary

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



76.2550, 0.2504, 0.4045



24.7352, 0.5206, 0.2850

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.



76.2550, 0.4335, 0.3153



76.2550, 0.2504, 0.4045



76.2550, 0.2933, 0.2320

Square

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



76.2550, 0.2504, 0.4045



76.2550, 0.1945, 0.2251



76.2550, 0.3691, 0.2669



76.2550, 0.4406, 0.4227

Rectangle

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



76.2550, 0.2504, 0.4045



76.2550, 0.1877, 0.2797



76.2550, 0.3691, 0.2669



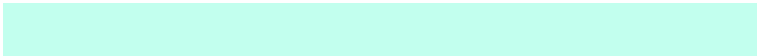
76.2550, 0.4562, 0.3514

Sweetspot

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



76.2562, 0.2504, 0.4045



89.1124, 0.2860, 0.3476



75.2187, 0.3222, 0.5627



18.7924, 0.2824, 0.3507



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.



76.2562, 0.2504, 0.4045



75.1054, 0.2510, 0.4218



56.1224, 0.2146, 0.2768



20.3882, 0.3018, 0.3358



39.1732, 0.2512, 0.4243



3.8330, 0.2478, 0.4120

Inverse Universe

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



24.7352, 0.5206, 0.2850



22.0577, 0.5751, 0.2965



29.1235, 0.5627, 0.3590



18.0720, 0.3249, 0.3223



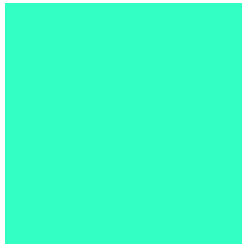
11.3787, 0.5823, 0.2982



1.1257, 0.5503, 0.2805

Previews

White Background



This preview shows how the Yxy color 76.2550, 0.2504, 0.4045 looks on a white background.

Color Contrast Check

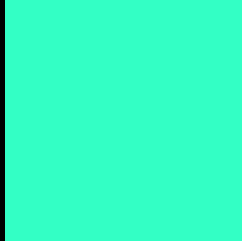
Large Text (above 18pt) WCAG AA × Fail

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 76.2550, 0.2504, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

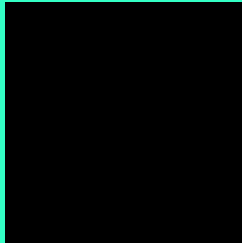
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

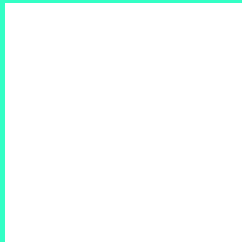
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2550, 0.2504, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 76.2550, 0.2504, 0.4045.

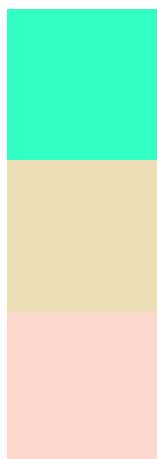


This preview shows how white text looks on a background with the Yxy color 76.2550, 0.2504, 0.4045.

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

76.2550, 0.2504, 0.4045

Protanopia

74.8659, 0.3514, 0.3739

Deuteranopia

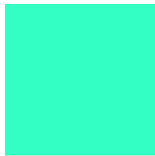
74.4506, 0.3473, 0.3393



Tritanopia

75.4695, 0.2507, 0.3117

Trichromacy



Original Color

76.2550, 0.2504, 0.4045



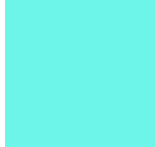
Protanomaly

71.5506, 0.2991, 0.3873



Deuteranomaly

70.6087, 0.2960, 0.3610



Tritanomaly

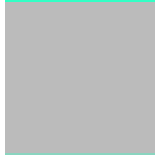
74.5603, 0.2475, 0.3422

Monochromacy



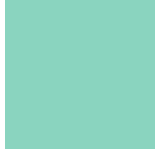
Original Color

76.2550, 0.2504, 0.4045



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.2518, 0.2757, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2550, 0.2504, 0.4045 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(51, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 197)  
}
```

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(51, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 76.2550, 0.2504, 0.4045 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(51, 255, 197) }
```

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

```
.border{ border-color:rgb(51, 255, 197) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
197) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 76.2550, 0.2504, 0.4045$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 197) }
```

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

```
.background{ background-color: rgb(51, 255,  
197) }
```

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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