

Converting Colors

$Y_{xy}(75.9854, 0.2528, 0.4129)$

Have a look what the booklet for
Yxy(75.9854, 0.2528, 0.4129)
contains.

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Color

Yxy(75.9854, 0.2528, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	33FFBF
RGB	51, 255, 191
RGB Percent	20%, 100%, 75%
CMY	0.8009, 0.0000, 0.2509
CMYK	0.80, 0.00, 0.25, 0.00
HSL	161°, 100%, 60%
HSV	161°, 80%, 100%
XYZ	46.5224, 75.9854, 61.5208
YIQ	186.7080, -101.0400, -63.1520

Conversions

Conversions Part 2

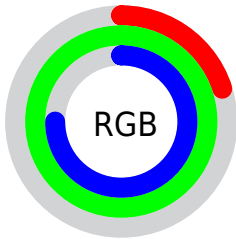
Format	Color
RYB	51, 172, 255
Decimal	3407807
CIELab	89.85, -62.22, 17.16
CIELCh	90, 64.541, 164.579
Yxy	75.9854, 0.2528, 0.4129
Android (android.graphics.Color)	4281597887 (0xFF33FFBF)
YUV	186.7080, 2.1160, -119.0159
Hunter-Lab	87.1696, -57.2813, 19.1743

Details

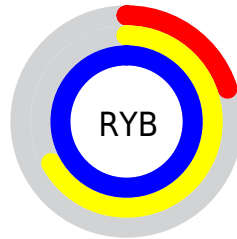
The Yxy color **75.9854, 0.2528, 0.4129** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.8386, 0.5119, 0.2795**, and the grayscale version is **49.5108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0607, 0.2519, 0.3380**, and **41.7386, 0.2533, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **75.1507, 0.2529, 0.4250**, and if you desaturate by 10%, it is **77.1916, 0.2548, 0.4007**.

Distribution



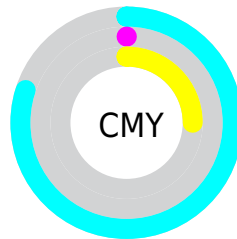
- Red (20%)
- Green (100%)
- Blue (75%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9854, 0.2528, 0.4129 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 75.9854, 0.2528, 0.4129 by changing the saturation by 10% instead.

 75.9854, 0.2528,
0.4129


 75.9854, 0.2528,
0.4129


481.2977, 0.2812,
0.3722


 56.4205, 0.2462,
0.4226


 127.7063, 0.2628,
0.3984


 40.5402, 0.2379,
0.4349


 160.6311, 0.2666,
0.3929

 27.9600, 0.2274,
0.4507


 198.7780, 0.2699,
0.3882

 18.2955, 0.2136,
0.4721

 242.5313, 0.2728,
0.3841

 11.1623, 0.1946,
0.5020

292.2756, 0.2753,
0.3806

 6.1761, 0.1672,
0.5470


348.3952, 0.2775,


 2.9525, 0.1204,


0.3775

0.6236


411.2744, 0.2794,
0.3747


 1.1070, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.9854, 0.2528,
0.4129


 75.9854, 0.2528,
0.4129


 75.1507, 0.2529,
0.4250


 77.1916, 0.2548,
0.4007


 74.6203, 0.2546,
0.4367


 78.8361, 0.2588,
0.3887

 80.9581, 0.2646,
0.3771

 83.5958, 0.2722,
0.3660

 86.7836, 0.2810,
0.3555

 90.5530, 0.2909,
0.3459

 94.9329, 0.3016,
0.3370

99.9502, 0.3126,
0.3291

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.



75.9854, 0.3230, 0.4650



75.9854, 0.2528, 0.4129



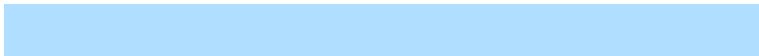
75.9854, 0.2025, 0.3314

Triad

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



75.9854, 0.2528, 0.4129



75.9854, 0.2251, 0.2133



75.9854, 0.4643, 0.3663

Complementary

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



75.9854, 0.2528, 0.4129



24.8386, 0.5119, 0.2795

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.



75.9854, 0.4338, 0.3106



75.9854, 0.2528, 0.4129



75.9854, 0.2870, 0.2273

Square

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



75.9854, 0.2528, 0.4129



75.9854, 0.1894, 0.2236



75.9854, 0.3651, 0.2617



75.9854, 0.4474, 0.4213

Rectangle

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



75.9854, 0.2528, 0.4129



75.9854, 0.1852, 0.2825



75.9854, 0.3651, 0.2617



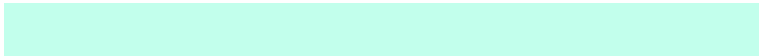
75.9854, 0.4595, 0.3474

Sweetspot

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



75.9806, 0.2528, 0.4129



89.0092, 0.2870, 0.3496



75.4315, 0.3238, 0.5617



18.7674, 0.2835, 0.3530



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.



75.9806, 0.2528, 0.4129



74.8132, 0.2538, 0.4320



57.8308, 0.2157, 0.2812



20.3789, 0.3022, 0.3366



39.0189, 0.2541, 0.4347



3.8189, 0.2503, 0.4212

Inverse Universe

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



24.8386, 0.5119, 0.2795



22.1675, 0.5649, 0.2908



28.5103, 0.5663, 0.3561



18.0808, 0.3245, 0.3216



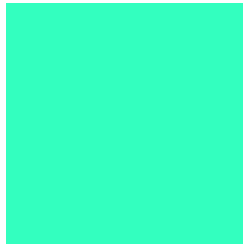
11.4340, 0.5721, 0.2925



1.1320, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 75.9854, 0.2528, 0.4129 looks on a white background.

Color Contrast Check

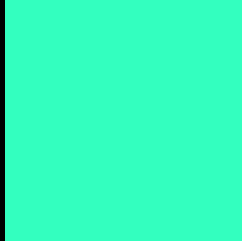
Large Text (above 18pt) WCAG AA × Fail

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 75.9854, 0.2528, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

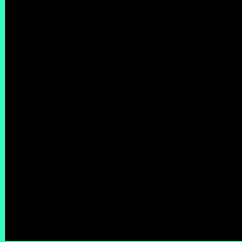
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9854, 0.2528, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 75.9854, 0.2528, 0.4129.

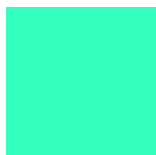


This preview shows how white text looks on a background with the Yxy color 75.9854, 0.2528, 0.4129.

Color Blindness Simulation

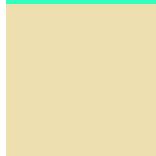
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.9854, 0.2528, 0.4129



Protanopia

74.0871, 0.3558, 0.3794



Deuteranopia

74.3527, 0.3525, 0.3455



Tritanopia

75.3798, 0.2503, 0.3116

Trichromacy



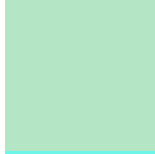
Original Color

75.9854, 0.2528, 0.4129



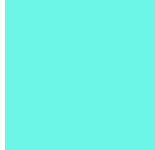
Protanomaly

71.2989, 0.3026, 0.3950



Deuteranomaly

70.3281, 0.2996, 0.3684



Tritanomaly

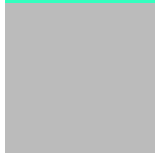
74.3822, 0.2480, 0.3447

Monochromacy



Original Color

75.9854, 0.2528, 0.4129



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.0362, 0.2768, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9854, 0.2528, 0.4129 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 75.9854, 0.2528, 0.4129 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, 191) }
```

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

```
.border{ border-color:rgb(51, 255, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9854, 0.2528, 0.4129 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, 191) }
```

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

```
.background{ background-color: rgb(51, 255,  
191) }
```

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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