

Converting Colors

$Y_{xy}(129.5973, 0.2643, 0.4631)$

Have a look what the booklet for
Yxy(129.5973, 0.2643, 0.4631)
contains.

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Color

Yxy(76.2506, 0.2476, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	2BFFC9
RGB	43, 255, 201
RGB Percent	17%, 100%, 79%
CMY	0.8308, 0.0000, 0.2116
CMYK	0.83, 0.00, 0.21, 0.00
HSL	165°, 100%, 58%
HSV	165°, 83%, 100%
XYZ	47.3056, 76.2506, 67.5002
YIQ	185.4560, -109.0180, -61.7380

Conversions

Conversions Part 2

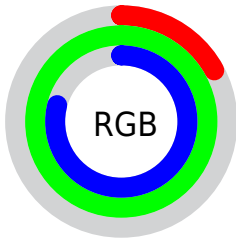
Format	Color
RYB	43, 164, 255
Decimal	2883529
CIELab	89.98, -60.55, 12.18
CIElCh	90, 61.762, 168.624
Yxy	76.2506, 0.2476, 0.3991
Android (android.graphics.Color)	4281073609 (0xFF2BFFC9)
YUV	185.4560, 7.6632, -124.9339
Hunter-Lab	87.3216, -56.1123, 15.2935

Details

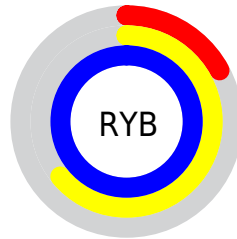
The Yxy color **76.2506, 0.2476, 0.3991** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.8629, 0.5416, 0.2919**, and the grayscale version is **48.8109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **42.0391, 0.2482, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **75.5627, 0.2477, 0.4087**, and if you desaturate by 10%, it is **77.3014, 0.2495, 0.3894**.

Distribution



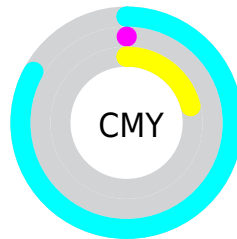
- Red (17%)
- Green (100%)
- Blue (79%)



- Red (17%)
- Yellow (64%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (83%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2506, 0.2476, 0.3991 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 76.2506, 0.2476, 0.3991 by changing the saturation by 10% instead.


 76.2506, 0.2476,
0.3991


 76.2506, 0.2476,
0.3991


482.2051, 0.2780,
0.3655


 56.6380, 0.2406,
0.4070

 128.0811, 0.2582,
0.3872


 40.7147, 0.2321,
0.4169


 161.0678, 0.2623,
0.3827

 28.0962, 0.2212,
0.4297


 199.2813, 0.2658,
0.3788

 18.3982, 0.2070,
0.4467

 243.1060, 0.2689,
0.3754

 11.2363, 0.1879,
0.4704

292.9264, 0.2715,
0.3725

 6.2260, 0.1609,
0.5055


349.1268, 0.2739,

 2.9830, 0.1179,

0.3699

0.5636


412.0915, 0.2761,
0.3676


 1.1228, 0.0000,
0.7620


 0.0000, 0.0000,
0.0000


 76.2506, 0.2476,
0.3991

 76.2506, 0.2476,
0.3991


 75.5627, 0.2477,
0.4087


 77.3014, 0.2495,
0.3894


 75.2379, 0.2487,
0.4153


 78.7618, 0.2533,
0.3798


 80.6807, 0.2592,
0.3704

 83.0979, 0.2667,
0.3614

 86.0485, 0.2758,
0.3529

 89.5648, 0.2861,
0.3449

 93.6761, 0.2973,
0.3376

 98.4099, 0.3090,
0.3309

 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



76.2506, 0.3135, 0.4547



76.2506, 0.2476, 0.3991



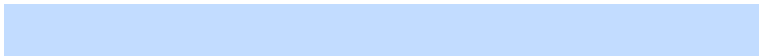
76.2506, 0.2025, 0.3215

Triad

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



76.2506, 0.2476, 0.3991



76.2506, 0.2353, 0.2181



76.2506, 0.4582, 0.3729

Complementary

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



76.2506, 0.2476, 0.3991



23.8629, 0.5416, 0.2919

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.



76.2506, 0.4349, 0.3187



76.2506, 0.2476, 0.3991



76.2506, 0.2979, 0.2345

Square

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



76.2506, 0.2476, 0.3991



76.2506, 0.1971, 0.2249



76.2506, 0.3730, 0.2701



76.2506, 0.4369, 0.4248

Rectangle

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



76.2506, 0.2476, 0.3991



76.2506, 0.1882, 0.2767



76.2506, 0.3730, 0.2701



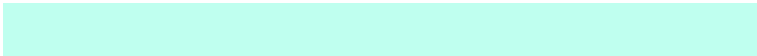
76.2506, 0.4556, 0.3547

Sweetspot

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



76.2536, 0.2476, 0.3991



88.8467, 0.2840, 0.3464



74.3826, 0.3179, 0.5710



18.7467, 0.2804, 0.3492



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.



76.2536, 0.2476, 0.3991



75.2395, 0.2487, 0.4153



51.6699, 0.2102, 0.2648



20.3978, 0.3014, 0.3351



39.3397, 0.2482, 0.4137



3.8480, 0.2452, 0.4028

Inverse Universe

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



23.8629, 0.5416, 0.2919



21.6412, 0.5961, 0.3057



29.1895, 0.5675, 0.3636



18.0630, 0.3254, 0.3230



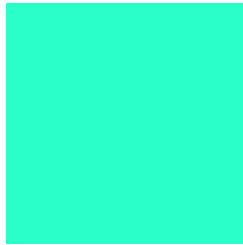
11.3282, 0.5921, 0.3035



1.1198, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 76.2506, 0.2476, 0.3991 looks on a white background.

Color Contrast Check

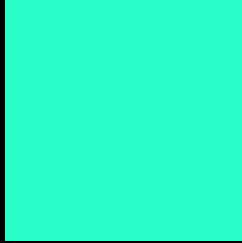
Large Text (above 18pt) WCAG AA × Fail

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 76.2506, 0.2476, 0.3991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

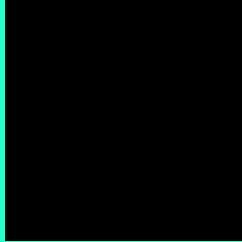
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2506, 0.2476, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 76.2506, 0.2476, 0.3991.

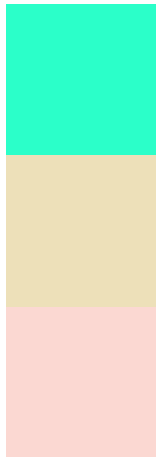


This preview shows how white text looks on a background with the Yxy color 76.2506, 0.2476, 0.3991.

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

76.2506, 0.2476, 0.3991

Protanopia

74.8186, 0.3486, 0.3708

Deuteranopia

74.2741, 0.3429, 0.3352



Tritanopia

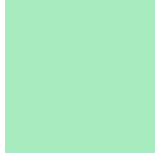
75.4695, 0.2507, 0.3117

Trichromacy



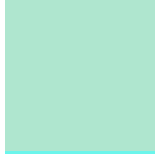
Original Color

76.2506, 0.2476, 0.3991



Protanomaly

71.3937, 0.2950, 0.3826



Deuteranomaly

70.2126, 0.2905, 0.3564



Tritanomaly

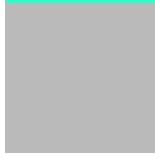
74.4288, 0.2461, 0.3410

Monochromacy



Original Color

76.2506, 0.2476, 0.3991



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4185, 0.2732, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2506, 0.2476, 0.3991 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(43, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(43, 255, 201)  
}
```

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(43, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 76.2506, 0.2476, 0.3991 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(43, 255, 201) }
```

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

```
.border{ border-color:rgb(43, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(43, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2506, 0.2476, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 201) }
```

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

```
.background{ background-color: rgb(43, 255,  
201) }
```

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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