

Converting Colors

$Y_{xy}(76.7829, 0.2556, 0.4075)$

Have a look what the booklet for
Yxy(76.7829, 0.2556, 0.4075)
contains.

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Color

Yxy(76.7546, 0.2556, 0.4079)

Conversions

Conversions Part 1

Format	Color
Hex	47FFC2
RGB	71, 255, 194
RGB Percent	28%, 100%, 76%
CMY	0.7215, 0.0000, 0.2392
CMYK	0.72, 0.00, 0.24, 0.00
HSL	160°, 100%, 64%
HSV	160°, 72%, 100%
XYZ	48.0963, 76.7546, 63.3193
YIQ	193.0300, -90.0830, -57.9790

Conversions

Conversions Part 2

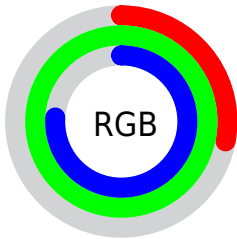
Format	Color
RYB	71, 181, 255
Decimal	4718530
CIELab	90.21, -59.36, 16.18
CIELCh	90, 61.523, 164.752
Yxy	76.7546, 0.2556, 0.4079
Android (android.graphics.Color)	4282908610 (0xFF47FFC2)
YUV	193.0300, 0.4782, -107.0203
Hunter-Lab	87.6097, -55.3234, 18.4754

Details

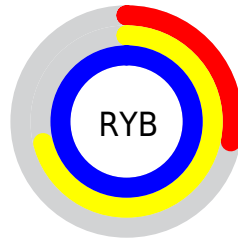
The Yxy color **76.7546, 0.2556, 0.4079** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.4338, 0.4780, 0.2751**, and the grayscale version is **53.3852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2358, 0.2546, 0.3333**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.6155, 0.2542, 0.4208**, and if you desaturate by 10%, it is **78.3204, 0.2590, 0.3951**.

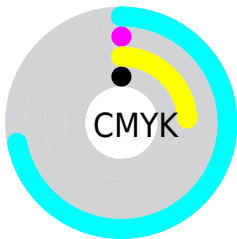
Distribution



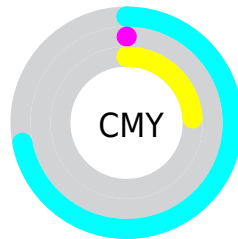
- Red (28%)
- Green (100%)
- Blue (76%)



- Red (28%)
- Yellow (71%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7546, 0.2556, 0.4079 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 76.7546, 0.2556, 0.4079 by changing the saturation by 10% instead.


 76.7546, 0.2556,
0.4079

 76.7546, 0.2556,
0.4079


483.9269, 0.2826,
0.3698


 57.0515, 0.2493,
0.4170


 128.7930, 0.2650,
0.3944


 41.0466, 0.2415,
0.4284


 161.8971, 0.2687,
0.3892

 28.3555, 0.2316,
0.4431


 200.2370, 0.2718,
0.3848

 18.5938, 0.2186,
0.4628

 244.1970, 0.2745,
0.3810

 11.3771, 0.2007,
0.4906

294.1617, 0.2769,
0.3777

 6.3211, 0.1749,
0.5320


350.5153, 0.2790,


 3.0413, 0.1337,

0.3747

0.6004


413.6422, 0.2809,
0.3721

 1.1533, 0.0000,
0.9207


 0.0231, 0.0000,
1.0000


 76.7546, 0.2556,
0.4079


 76.7546, 0.2556,
0.4079


 75.6155, 0.2542,
0.4208

 78.3204, 0.2590,
0.3951

 74.8469, 0.2549,
0.4336

 80.3569, 0.2644,
0.3826


 74.4398, 0.2565,
0.4435


 82.9039, 0.2714,
0.3706

 85.9966, 0.2799,
0.3594

 89.6671, 0.2894,
0.3489

 93.9446, 0.2996,
0.3394

 98.8568, 0.3104,
0.3307

 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.



76.7546, 0.3227, 0.4575



76.7546, 0.2556, 0.4079



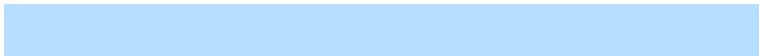
76.7546, 0.2074, 0.3313

Triad

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



76.7546, 0.2556, 0.4079



76.7546, 0.2294, 0.2182



76.7546, 0.4570, 0.3658

Complementary

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



76.7546, 0.2556, 0.4079



27.4338, 0.4780, 0.2751

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.



76.7546, 0.4280, 0.3121



76.7546, 0.2556, 0.4079



76.7546, 0.2889, 0.2317

Square

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



76.7546, 0.2556, 0.4079



76.7546, 0.1947, 0.2283



76.7546, 0.3631, 0.2650



76.7546, 0.4412, 0.4182

Rectangle

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



76.7546, 0.2556, 0.4079



76.7546, 0.1906, 0.2848



76.7546, 0.3631, 0.2650



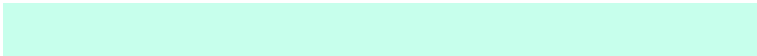
76.7546, 0.4524, 0.3476

Sweetspot

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



76.7551, 0.2556, 0.4079



89.7279, 0.2895, 0.3488



76.9080, 0.3278, 0.5426



18.9793, 0.2869, 0.3515



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.



76.7551, 0.2556, 0.4079



75.2006, 0.2543, 0.4270



62.0515, 0.2220, 0.2906



20.3730, 0.3024, 0.3370



38.9252, 0.2559, 0.4414



3.8103, 0.2519, 0.4270

Inverse Universe

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



27.4338, 0.4780, 0.2751



23.4113, 0.5299, 0.2792



31.1539, 0.5368, 0.3551



18.0864, 0.3242, 0.3211



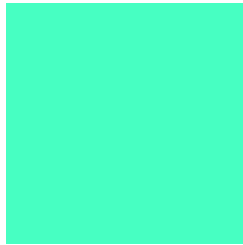
11.4722, 0.5654, 0.2888



1.1363, 0.5335, 0.2713

Previews

White Background



This preview shows how the Yxy color 76.7546, 0.2556, 0.4079 looks on a white background.

Color Contrast Check

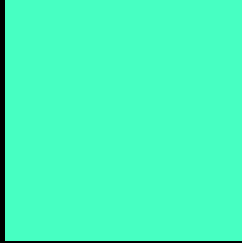
Large Text (above 18pt) WCAG AA × Fail

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 76.7546, 0.2556, 0.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

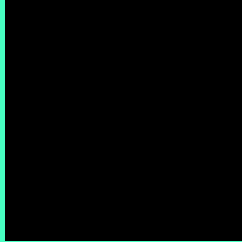
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7546, 0.2556, 0.4079

Background



This preview shows how black text looks on a background with the Yxy color 76.7546, 0.2556, 0.4079.



This preview shows how white text looks on a background with the Yxy color 76.7546, 0.2556, 0.4079.

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

76.7546, 0.2556, 0.4079

Protanopia

74.9167, 0.3542, 0.3770

Deuteranopia

75.1500, 0.3516, 0.3444



Tritanopia

76.0242, 0.2534, 0.3118

Trichromacy



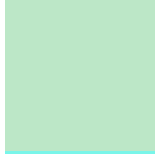
Original Color

76.7546, 0.2556, 0.4079



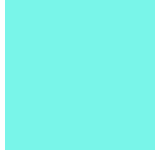
Protanomaly

72.3423, 0.3060, 0.3902



Deuteranomaly

71.9667, 0.3036, 0.3665



Tritanomaly

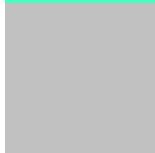
75.2530, 0.2520, 0.3433

Monochromacy



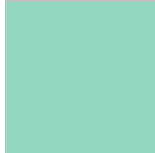
Original Color

76.7546, 0.2556, 0.4079



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.3516, 0.2816, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7546, 0.2556, 0.4079 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(71, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 194)  
}
```

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(71, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 76.7546, 0.2556, 0.4079 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(71, 255, 194) }
```

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

```
.border{ border-color:rgb(71, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7546, 0.2556, 0.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 194) }
```

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

```
.background{ background-color: rgb(71, 255,  
194) }
```

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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