

Converting Colors

$Y_{xy}(78.9075, 0.2723, 0.4122)$

Have a look what the booklet for
Yxy(78.9075, 0.2723, 0.4122)
contains.

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Color

Yxy(78.9071, 0.2721, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	74FFBD
RGB	116, 255, 189
RGB Percent	45%, 100%, 74%
CMY	0.5448, 0.0000, 0.2590
CMYK	0.54, 0.00, 0.26, 0.00
HSL	151°, 100%, 73%
HSV	151°, 54%, 100%
XYZ	52.1511, 78.9071, 60.6034
YIQ	205.9150, -61.6580, -49.9940

Conversions

Conversions Part 2

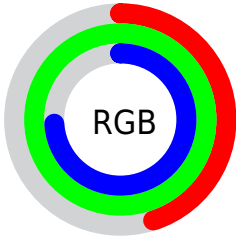
Format	Color
RYB	116, 207, 255
Decimal	7667645
CIELab	91.19, -52.70, 20.30
CIElCh	91, 56.475, 158.936
Yxy	78.9071, 0.2721, 0.4117
Android (android.graphics.Color)	4285857725 (0xFF74FFBD)
YUV	205.9150, -8.3391, -78.8555
Hunter-Lab	88.8297, -50.6561, 21.7306

Details

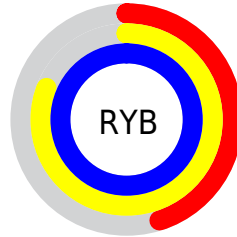
The Yxy color **78.9071, 0.2721, 0.4117** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.1494, 0.3950, 0.2623**, and the grayscale version is **61.7593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3427, 0.2729, 0.3398**, and **42.3102, 0.2618, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **76.8903, 0.2684, 0.4304**, and if you desaturate by 10%, it is **81.4538, 0.2775, 0.3938**.

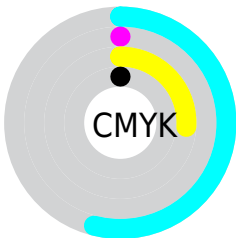
Distribution



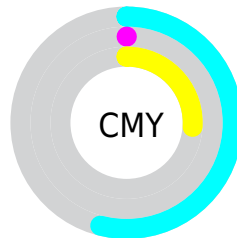
- Red (45%)
- Green (100%)
- Blue (74%)



- Red (45%)
- Yellow (81%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9071, 0.2721, 0.4117 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 78.9071, 0.2721, 0.4117 by changing the saturation by 10% instead.


 78.9071, 0.2721,
0.4117


 78.9071, 0.2721,
0.4117


491.2420, 0.2916,
0.3718


 58.8194, 0.2675,
0.4212

 131.8281, 0.2790,
0.3975

 42.4678, 0.2616,
0.4331


 165.4302, 0.2817,
0.3921

 29.4678, 0.2541,
0.4486


 204.3058, 0.2839,
0.3875

 19.4349, 0.2441,
0.4692

248.8395, 0.2859,
0.3835

 11.9850, 0.2301,
0.4982

299.4156, 0.2876,
0.3800

 6.7335, 0.2093,
0.5414


356.4184, 0.2891,


 3.2960, 0.1758,


0.3769


0.6116

420.2324, 0.2904,
0.3742


 1.2881, 0.0000,
1.0000


 0.1320, 0.0000,
1.0000


 78.9071, 0.2721,
0.4117


 78.9071, 0.2721,
0.4117


 76.8903, 0.2684,
0.4304


 81.4538, 0.2775,
0.3938


 75.3526, 0.2666,
0.4493

 84.5577, 0.2841,
0.3769


 74.2491, 0.2668,
0.4680

 88.2552, 0.2918,
0.3613

 73.5214, 0.2691,
0.4860

 92.5770, 0.3001,
0.3471

 73.2352, 0.2710,
0.4955

 97.5515, 0.3088,
0.3343

99.9998, 0.3127,
0.3290

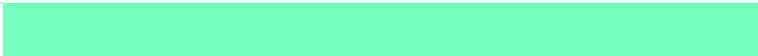
Harmonies

Analogous

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



78.9071, 0.3353, 0.4484



78.9071, 0.2721, 0.4117



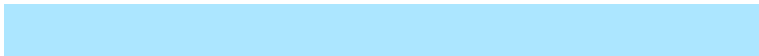
78.9071, 0.2230, 0.3451

Triad

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



78.9071, 0.2721, 0.4117



78.9071, 0.2281, 0.2269



78.9071, 0.4422, 0.3543

Complementary

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



78.9071, 0.2721, 0.4117



37.1494, 0.3950, 0.2623

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.



78.9071, 0.4080, 0.3050



78.9071, 0.2721, 0.4117



78.9071, 0.2792, 0.2352

Square

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



78.9071, 0.2721, 0.4117



78.9071, 0.2005, 0.2414



78.9071, 0.3456, 0.2630



78.9071, 0.4362, 0.4034

Rectangle

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



78.9071, 0.2721, 0.4117



78.9071, 0.2037, 0.3009



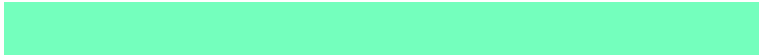
78.9071, 0.3456, 0.2630



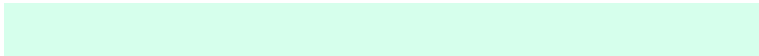
78.9071, 0.4351, 0.3375

Sweetspot

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



78.9103, 0.2721, 0.4117



91.8795, 0.2988, 0.3491



82.8768, 0.3424, 0.4851



19.4687, 0.2971, 0.3520



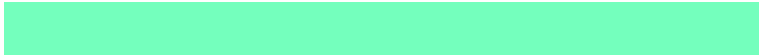
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9103, 0.2721, 0.4117



76.7993, 0.2682, 0.4313



80.9893, 0.2428, 0.3261



20.3274, 0.3044, 0.3405



38.2975, 0.2702, 0.4927



3.7510, 0.2646, 0.4726

Inverse Universe

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



37.1494, 0.3950, 0.2623



31.2750, 0.4201, 0.2531



35.5710, 0.4749, 0.3318



18.1309, 0.3219, 0.3178



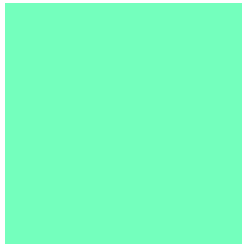
11.8626, 0.5069, 0.2566



1.1769, 0.4801, 0.2419

Previews

White Background



This preview shows how the Yxy color 78.9071, 0.2721, 0.4117 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 78.9071, 0.2721, 0.4117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

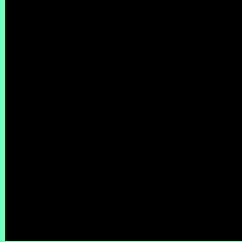
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

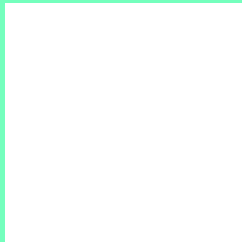
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9071, 0.2721, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 78.9071, 0.2721, 0.4117.

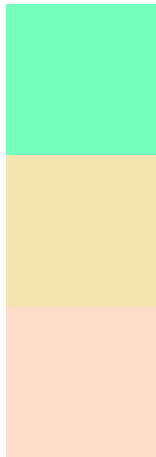


This preview shows how white text looks on a background with the Yxy color 78.9071, 0.2721, 0.4117.

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

78.9071, 0.2721, 0.4117

Protanopia

77.6761, 0.3583, 0.3837

Deuteranopia

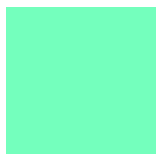
77.3325, 0.3493, 0.3464



Tritanopia

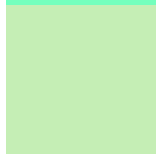
78.0862, 0.2631, 0.3122

Trichromacy



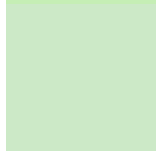
Original Color

78.9071, 0.2721, 0.4117



Protanomaly

76.3556, 0.3201, 0.3946



Deuteranomaly

75.2387, 0.3143, 0.3675



Tritanomaly

77.5584, 0.2656, 0.3453

Monochromacy



Original Color

78.9071, 0.2721, 0.4117



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3657, 0.2932, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9071, 0.2721, 0.4117 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(116, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 189)  
}
```

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(116, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 78.9071, 0.2721, 0.4117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

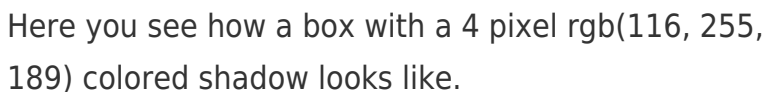
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 255, 189) }
```

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

```
.border{ border-color:rgb(116, 255, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9071, 0.2721, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 189) }
```

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

```
.background{ background-color: rgb(116,  
255, 189) }
```

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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