

Converting Colors

$Yxy(78.6853, 0.2722, 0.4145)$

Have a look what the booklet for
Yxy(78.6853, 0.2722, 0.4145)
contains.

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Color

Yxy(78.6853, 0.2722, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	72FFBB
RGB	114, 255, 187
RGB Percent	45%, 100%, 73%
CMY	0.5528, 0.0000, 0.2667
CMYK	0.55, 0.00, 0.27, 0.00
HSL	151°, 100%, 72%
HSV	151°, 55%, 100%
XYZ	51.6722, 78.6853, 59.4743
YIQ	205.0890, -62.2080, -51.0400

Conversions

Conversions Part 2

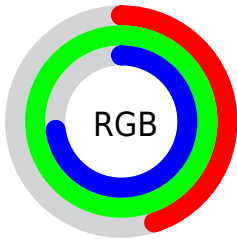
Format	Color
RYB	114, 207, 255
Decimal	7536571
CIELab	91.09, -53.52, 21.15
CIELCh	91, 57.553, 158.436
Yxy	78.6853, 0.2722, 0.4145
Android (android.graphics.Color)	4285726651 (0xFF72FFBB)
YUV	205.0890, -8.9179, -79.8851
Hunter-Lab	88.7047, -51.2536, 22.3408

Details

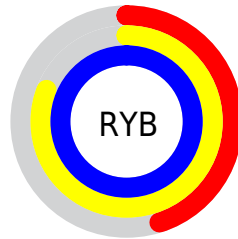
The Yxy color **78.6853, 0.2722, 0.4145** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.6833, 0.3956, 0.2605**, and the grayscale version is **61.2049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1050, 0.2734, 0.3420**, and **42.1892, 0.2613, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **76.7043, 0.2687, 0.4335**, and if you desaturate by 10%, it is **81.1931, 0.2774, 0.3962**.

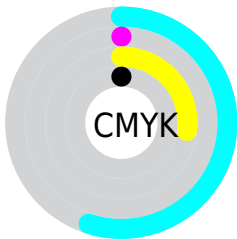
Distribution



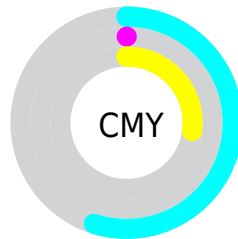
- Red (45%)
- Green (100%)
- Blue (73%)



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



- Cyan (55%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6853, 0.2722, 0.4145 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 78.6853, 0.2722, 0.4145 by changing the saturation by 10% instead.


 78.6853, 0.2722,
0.4145


 78.6853, 0.2722,
0.4145


490.4911, 0.2918,
0.3732

 58.6371, 0.2675,
0.4244

 131.5157, 0.2792,
0.3998

 42.3211, 0.2617,
0.4368


 165.0668, 0.2818,
0.3942

 29.3528, 0.2541,
0.4528


 203.8875, 0.2841,
0.3894

 19.3478, 0.2440,
0.4743

248.3624, 0.2860,
0.3853

 11.9219, 0.2297,
0.5045

298.8758, 0.2877,
0.3817

 6.6905, 0.2085,
0.5495


355.8121, 0.2893,


 3.2693, 0.1742,


0.3785


0.6226


419.5557, 0.2906,
0.3757


 1.2739, 0.0000,
1.0000


 0.1209, 0.0000,
1.0000


 78.6853, 0.2722,
0.4145


 78.6853, 0.2722,
0.4145


 76.7043, 0.2687,
0.4335

 81.1931, 0.2774,
0.3962


 75.2007, 0.2671,
0.4527


 84.2571, 0.2839,
0.3790


 74.1283, 0.2676,
0.4717

 87.9136, 0.2914,
0.3630

 73.4273, 0.2700,
0.4898

 92.1933, 0.2996,
0.3484

 73.1853, 0.2717,
0.4980

 97.1251, 0.3081,
0.3353

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.



78.6853, 0.3367, 0.4512



78.6853, 0.2722, 0.4145



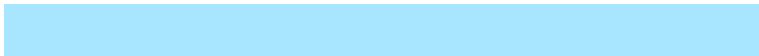
78.6853, 0.2219, 0.3466

Triad

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



78.6853, 0.2722, 0.4145



78.6853, 0.2259, 0.2251



78.6853, 0.4445, 0.3537

Complementary

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



78.6853, 0.2722, 0.4145



36.6833, 0.3956, 0.2605

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.



78.6853, 0.4091, 0.3036



78.6853, 0.2722, 0.4145



78.6853, 0.2774, 0.2333

Square

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



78.6853, 0.2722, 0.4145



78.6853, 0.1984, 0.2402



78.6853, 0.3450, 0.2612



78.6853, 0.4389, 0.4037

Rectangle

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



78.6853, 0.2722, 0.4145



78.6853, 0.2021, 0.3012



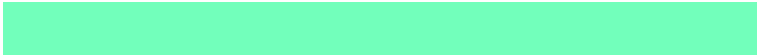
78.6853, 0.3450, 0.2612



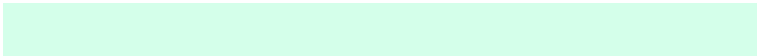
78.6853, 0.4371, 0.3366

Sweetspot

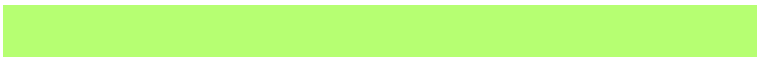
The Sweet Spot groups the original color and five complimentary colors.



78.6879, 0.2722, 0.4145



91.4105, 0.2981, 0.3508



82.7018, 0.3426, 0.4874



19.3754, 0.2965, 0.3537



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.



78.6879, 0.2722, 0.4145



76.5802, 0.2685, 0.4349



80.8304, 0.2421, 0.3261



20.3252, 0.3045, 0.3407



38.2713, 0.2709, 0.4952



3.7484, 0.2652, 0.4749

Inverse Universe

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



36.6833, 0.3956, 0.2605



30.8512, 0.4210, 0.2513



35.0570, 0.4786, 0.3318



18.1331, 0.3218, 0.3176



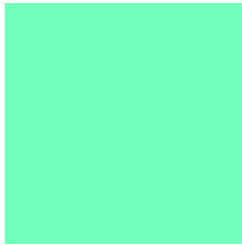
11.8862, 0.5039, 0.2550



1.1793, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 78.6853, 0.2722, 0.4145 looks on a white background.

Color Contrast Check

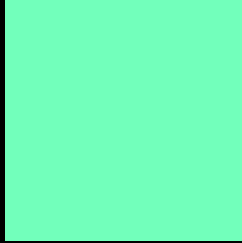
Large Text (above 18pt) WCAG AA × Fail

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 78.6853, 0.2722, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

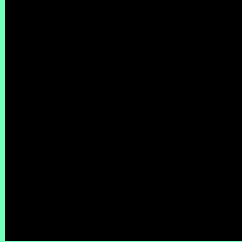
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6853, 0.2722, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 78.6853, 0.2722, 0.4145.

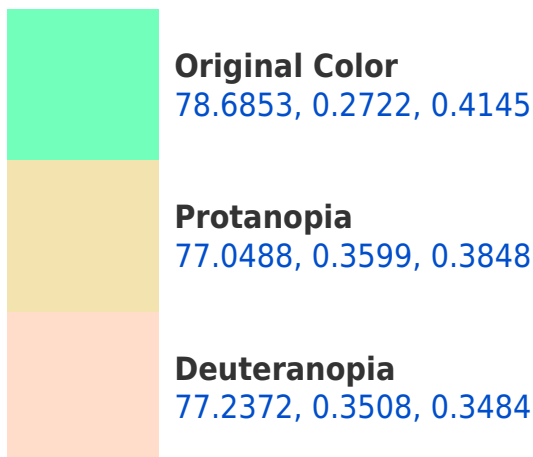


This preview shows how white text looks on a background with the Yxy color 78.6853, 0.2722, 0.4145.

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





Tritanopia

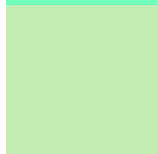
77.9752, 0.2626, 0.3122

Trichromacy



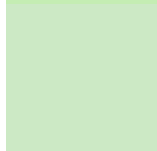
Original Color

78.6853, 0.2722, 0.4145



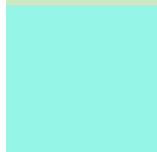
Protanomaly

75.5588, 0.3208, 0.3961



Deuteranomaly

75.1464, 0.3155, 0.3698



Tritanomaly

77.4075, 0.2656, 0.3465

Monochromacy



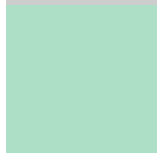
Original Color

78.6853, 0.2722, 0.4145



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6232, 0.2937, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6853, 0.2722, 0.4145 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(114, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(114, 255, 187)  
}
```

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(114, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 78.6853, 0.2722, 0.4145 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(114, 255, 187) }
```

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

```
.border{ border-color:rgb(114, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6853, 0.2722, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 187) }
```

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

```
.background{ background-color: rgb(114,  
255, 187) }
```

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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