

Converting Colors

$Yxy(91.5281, 0.2829, 0.4553)$

Have a look what the booklet for
Yxy(91.5281, 0.2829, 0.4553)
contains.

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Color

Yxy(78.1353, 0.2808, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	74FFAA
RGB	116, 255, 170
RGB Percent	45%, 100%, 67%
CMY	0.5455, 0.0000, 0.3334
CMYK	0.55, 0.00, 0.33, 0.00
HSL	143°, 100%, 73%
HSV	143°, 55%, 100%
XYZ	50.2068, 78.1353, 50.4572
YIQ	203.7490, -55.5590, -55.9030

Conversions

Conversions Part 2

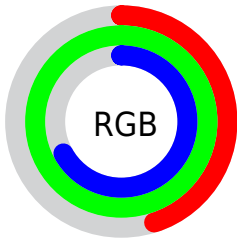
Format	Color
RYB	116, 216, 255
Decimal	7667626
CIELab	90.84, -56.34, 29.44
CIELCh	91, 63.569, 152.411
Yxy	78.1353, 0.2808, 0.4370
Android (android.graphics.Color)	4285857706 (0xFF74FFAA)
YUV	203.7490, -16.6383, -76.9559
Hunter-Lab	88.3942, -53.3039, 28.0320

Details

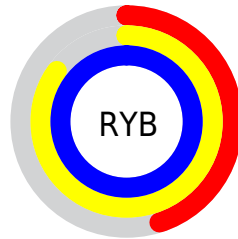
The Yxy color **78.1353, 0.2808, 0.4370** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.9410, 0.3732, 0.2441**, and the grayscale version is **60.3287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2411, 0.2824, 0.3613**, and **41.8452, 0.2715, 0.4657** is the 20% darker color. If you saturate the color by 10%, you get **76.0603, 0.2782, 0.4611**, and if you desaturate by 10%, it is **80.7449, 0.2849, 0.4136**.

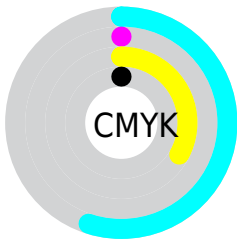
Distribution



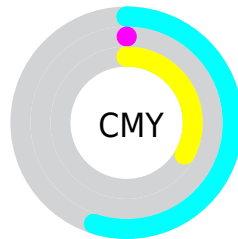
- Red (45%)
- Green (100%)
- Blue (67%)



- Red (45%)
- Yellow (85%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1353, 0.2808, 0.4370 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 78.1353, 0.2808, 0.4370 by changing the saturation by 10% instead.


 78.1353, 0.2808,
0.4370


 78.1353, 0.2808,
0.4370


488.6262, 0.2972,
0.3842


 58.1851, 0.2767,
0.4497


 130.7408, 0.2868,
0.4181

 41.9575, 0.2713,
0.4657


 164.1650, 0.2890,
0.4110

 29.0680, 0.2643,
0.4865

 202.8493, 0.2909,
0.4049

 19.1323, 0.2545,
0.5144

247.1780, 0.2925,
0.3996

 11.7659, 0.2402,
0.5535

297.5357, 0.2939,
0.3950

 6.5845, 0.2178,
0.6114


354.3067, 0.2951,


 3.2036, 0.1827,


0.3910


0.7159


417.8754, 0.2962,
0.3874

 1.2389, 0.0000,
1.0000


 0.0932, 0.0000,
1.0000


 78.1353, 0.2808,
0.4370


 78.1353, 0.2808,
0.4370


 76.0603, 0.2782,
0.4611

 80.7449, 0.2849,
0.4136


 74.4991, 0.2773,
0.4851

 83.9491, 0.2902,
0.3914


 73.3950, 0.2783,
0.5081

 87.7751, 0.2963,
0.3710

 72.6877, 0.2811,
0.5290

 92.2549, 0.3028,
0.3525

 72.4237, 0.2832,
0.5394

 97.4179, 0.3096,
0.3359

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.



78.1353, 0.3523, 0.4668



78.1353, 0.2808, 0.4370



78.1353, 0.2218, 0.3642

Triad

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



78.1353, 0.2808, 0.4370



78.1353, 0.2096, 0.2167



78.1353, 0.4542, 0.3433

Complementary

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



78.1353, 0.2808, 0.4370



37.9410, 0.3732, 0.2441

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.



78.1353, 0.4068, 0.2905



78.1353, 0.2808, 0.4370



78.1353, 0.2604, 0.2211

Square

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



78.1353, 0.2808, 0.4370



78.1353, 0.1854, 0.2379



78.1353, 0.3324, 0.2474



78.1353, 0.4563, 0.3986

Rectangle

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



78.1353, 0.2808, 0.4370



78.1353, 0.1967, 0.3117



78.1353, 0.3324, 0.2474



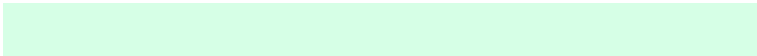
78.1353, 0.4430, 0.3251

Sweetspot

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



78.1279, 0.2808, 0.4370



91.5630, 0.3018, 0.3551



85.2904, 0.3547, 0.4789



19.3935, 0.3005, 0.3588



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.



78.1279, 0.2808, 0.4370



75.9792, 0.2781, 0.4622



81.4447, 0.2499, 0.3480



20.2851, 0.3062, 0.3439



37.8700, 0.2823, 0.5364



3.7079, 0.2760, 0.5136

Inverse Universe

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



37.9410, 0.3732, 0.2441



32.1884, 0.3905, 0.2320



35.3974, 0.4569, 0.3132



18.1737, 0.3198, 0.3146



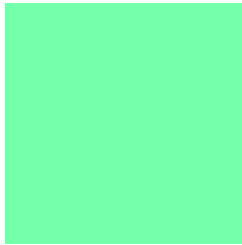
12.3905, 0.4498, 0.2252



1.2279, 0.4311, 0.2149

Previews

White Background



This preview shows how the Yxy color 78.1353, 0.2808, 0.4370 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 78.1353, 0.2808, 0.4370 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 78.1353, 0.2808, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 78.1353, 0.2808, 0.4370.

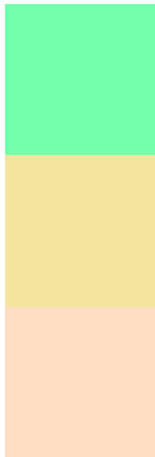


This preview shows how white text looks on a background with the Yxy color 78.1353, 0.2808, 0.4370.

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

78.1353, 0.2808, 0.4370

Protanopia

76.8193, 0.3722, 0.4011

Deuteranopia

76.8679, 0.3565, 0.3566



Tritanopia

77.7557, 0.2615, 0.3122

Trichromacy



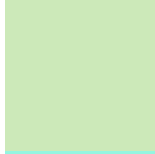
Original Color

78.1353, 0.2808, 0.4370



Protanomaly

75.1828, 0.3324, 0.4158



Deuteranomaly

74.6180, 0.3230, 0.3838



Tritanomaly

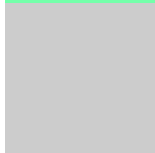
76.9825, 0.2680, 0.3538

Monochromacy



Original Color

78.1353, 0.2808, 0.4370



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3518, 0.2973, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1353, 0.2808, 0.4370 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 78.1353, 0.2808, 0.4370 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, 170) }
```

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

```
.border{ border-color:rgb(116, 255, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1353, 0.2808, 0.4370 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, 170) }
```

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

```
.background{ background-color: rgb(116,  
255, 170) }
```

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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