

Converting Colors

$Yxy(77.5043, 0.2851, 0.4532)$

Have a look what the booklet for
Yxy(77.5043, 0.2851, 0.4532)
contains.

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Color

Yxy(77.4993, 0.2851, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	71FF9E
RGB	113, 255, 158
RGB Percent	44%, 100%, 62%
CMY	0.5567, 0.0000, 0.3805
CMYK	0.56, 0.00, 0.38, 0.00
HSL	139°, 100%, 72%
HSV	139°, 56%, 100%
XYZ	48.7427, 77.4993, 44.7249
YIQ	201.4840, -53.4950, -60.2710

Conversions

Conversions Part 2

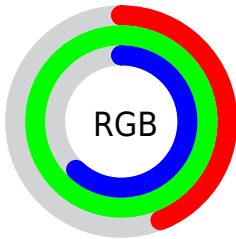
Format	Color
RYB	113, 221, 255
Decimal	7471006
CIELab	90.55, -59.06, 35.04
CIELCh	91, 68.668, 149.320
Yxy	77.4993, 0.2851, 0.4533
Android (android.graphics.Color)	4285661086 (0xFF71FF9E)
YUV	201.4840, -21.4376, -77.6005
Hunter-Lab	88.0337, -55.2267, 31.5017

Details

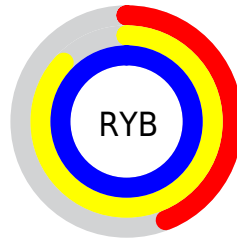
The Yxy color **77.4993, 0.2851, 0.4533** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.7338, 0.3635, 0.2333**, and the grayscale version is **58.8897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3228, 0.2879, 0.3767**, and **41.4447, 0.2760, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **75.4816, 0.2831, 0.4800**, and if you desaturate by 10%, it is **80.0799, 0.2885, 0.4270**.

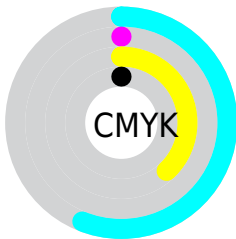
Distribution



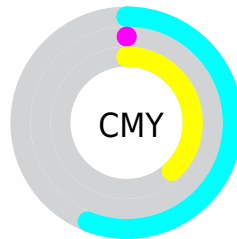
- Red (44%)
- Green (100%)
- Blue (62%)



- Red (44%)
- Yellow (87%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4993, 0.2851, 0.4533 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 77.4993, 0.2851, 0.4533 by changing the saturation by 10% instead.


 77.4993, 0.2851,
0.4533


 77.4993, 0.2851,
0.4533


486.4647, 0.3001,
0.3921

 57.6628, 0.2811,
0.4681


 129.8441, 0.2908,
0.4314

 41.5376, 0.2759,
0.4867


 163.1211, 0.2928,
0.4231

 28.7394, 0.2687,
0.5108


 201.6470, 0.2945,
0.4160

 18.8838, 0.2586,
0.5432

245.8063, 0.2960,
0.4099

 11.5863, 0.2433,
0.5883

295.9833, 0.2972,
0.4046

 6.4627, 0.2185,
0.6541


352.5625, 0.2983,


 3.1284, 0.1859,


0.3999

0.8070

415.9281, 0.2993,
0.3958


 1.1991, 0.0000,
1.0000

 0.0610, 0.0000,
1.0000


 77.4993, 0.2851,
0.4533


 77.4993, 0.2851,
0.4533


 75.4816, 0.2831,
0.4800


 80.0799, 0.2885,
0.4270


 73.9783, 0.2827,
0.5060


 83.2588, 0.2929,
0.4019

 72.9389, 0.2841,
0.5301

 87.0732, 0.2981,
0.3787

 72.3003, 0.2871,
0.5509

 91.5561, 0.3037,
0.3576

 72.1099, 0.2886,
0.5589

 96.7383, 0.3094,
0.3387

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.



77.4993, 0.3620, 0.4784



77.4993, 0.2851, 0.4533



77.4993, 0.2199, 0.3761

Triad

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



77.4993, 0.2851, 0.4533



77.4993, 0.1983, 0.2097



77.4993, 0.4628, 0.3371

Complementary

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



77.4993, 0.2851, 0.4533



37.7338, 0.3635, 0.2333

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.



77.4993, 0.4070, 0.2819



77.4993, 0.2851, 0.4533



77.4993, 0.2493, 0.2122

Square

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



77.4993, 0.2851, 0.4533



77.4993, 0.1758, 0.2346



77.4993, 0.3250, 0.2378



77.4993, 0.4693, 0.3960

Rectangle

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



77.4993, 0.2851, 0.4533



77.4993, 0.1914, 0.3178



77.4993, 0.3250, 0.2378



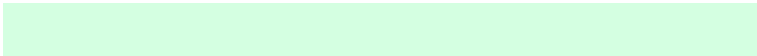
77.4993, 0.4490, 0.3180

Sweetspot

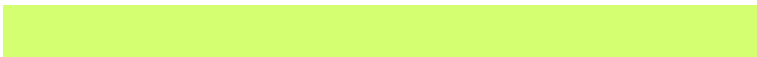
The Sweet Spot groups the original color and five complimentary colors.



77.5007, 0.2851, 0.4533



90.9217, 0.3029, 0.3602



86.7711, 0.3633, 0.4776



19.2604, 0.3018, 0.3644



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.



77.5007, 0.2851, 0.4533



75.2535, 0.2829, 0.4836



80.5573, 0.2541, 0.3630



20.2629, 0.3072, 0.3457



37.7028, 0.2878, 0.5559



3.6898, 0.2815, 0.5334

Inverse Universe

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



37.7338, 0.3635, 0.2333



31.8370, 0.3784, 0.2192



35.0136, 0.4467, 0.3008



18.1967, 0.3187, 0.3129



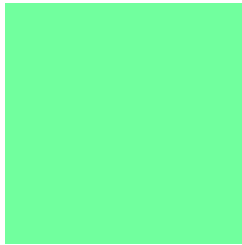
12.7396, 0.4212, 0.2094



1.2603, 0.4068, 0.2015

Previews

White Background



This preview shows how the Yxy color 77.4993, 0.2851, 0.4533 looks on a white background.

Color Contrast Check

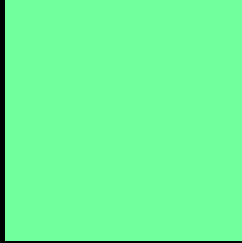
Large Text (above 18pt) WCAG AA × Fail

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 77.4993, 0.2851, 0.4533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

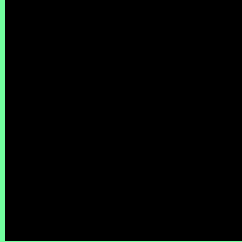
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4993, 0.2851, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 77.4993, 0.2851, 0.4533.

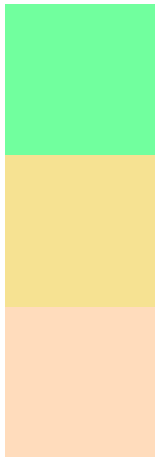


This preview shows how white text looks on a background with the Yxy color 77.4993, 0.2851, 0.4533.

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

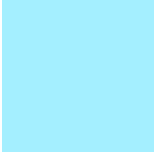
77.4993, 0.2851, 0.4533

Protanopia

76.0609, 0.3813, 0.4120

Deuteranopia

76.0772, 0.3611, 0.3618



Tritanopia

76.8455, 0.2599, 0.3110

Trichromacy



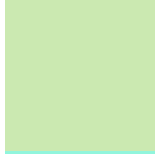
Original Color

77.4993, 0.2851, 0.4533



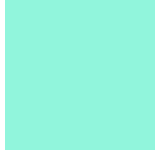
Protanomaly

74.7761, 0.3395, 0.4297



Deuteranomaly

74.1487, 0.3273, 0.3933



Tritanomaly

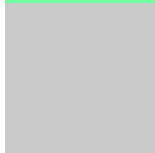
76.4919, 0.2685, 0.3588

Monochromacy



Original Color

77.4993, 0.2851, 0.4533



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.6507, 0.2996, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4993, 0.2851, 0.4533 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(113, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 158)  
}
```

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(113, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 77.4993, 0.2851, 0.4533 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(113, 255, 158) }
```

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

```
.border{ border-color:rgb(113, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4993, 0.2851, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 158) }
```

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

```
.background{ background-color: rgb(113,  
255, 158) }
```

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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