

Converting Colors

$Y_{xy}(78.5279, 0.2914, 0.4580)$

Have a look what the booklet for
Yxy(78.5279, 0.2914, 0.4580)
contains.

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Color

Yxy(78.0640, 0.2913, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	7BFF9A
RGB	123, 255, 154
RGB Percent	48%, 100%, 60%
CMY	0.5173, 0.0000, 0.3960
CMYK	0.52, 0.00, 0.40, 0.00
HSL	134°, 100%, 74%
HSV	134°, 52%, 100%
XYZ	49.7703, 78.0640, 43.0215
YIQ	204.0180, -46.2510, -59.3950

Conversions

Conversions Part 2

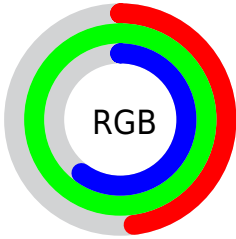
Format	Color
RYB	123, 230, 255
Decimal	8126362
CIELab	90.81, -57.38, 37.39
CIELCh	91, 68.486, 146.906
Yxy	78.0640, 0.2913, 0.4569
Android (android.graphics.Color)	4286316442 (0xFF7BFF9A)
YUV	204.0180, -24.6589, -71.0528
Hunter-Lab	88.3538, -54.0690, 32.9780

Details

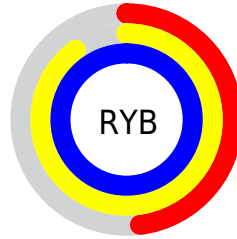
The Yxy color **78.0640, 0.2913, 0.4569** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **40.8303, 0.3475, 0.2296**, and the grayscale version is **60.5909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1907, 0.2950, 0.3807**, and **41.7914, 0.2828, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **75.8252, 0.2892, 0.4863**, and if you desaturate by 10%, it is **80.9048, 0.2945, 0.4279**.

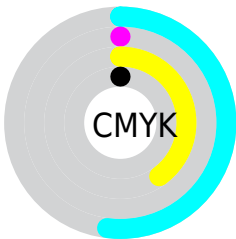
Distribution



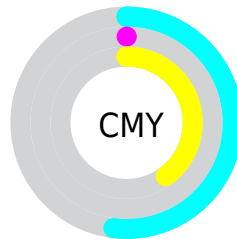
- Red (48%)
- Green (100%)
- Blue (60%)



- Red (48%)
- Yellow (90%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0640, 0.2913, 0.4569 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 78.0640, 0.2913, 0.4569 by changing the saturation by 10% instead.


 78.0640, 0.2913,
0.4569


 78.0640, 0.2913,
0.4569


488.3841, 0.3036,
0.3941

 58.1266, 0.2879,
0.4720


 130.6403, 0.2961,
0.4345

 41.9104, 0.2833,
0.4910

 164.0480, 0.2978,
0.4259

 29.0311, 0.2769,
0.5156


 202.7146, 0.2992,
0.4186

 19.1044, 0.2676,
0.5484

247.0244, 0.3004,
0.4124

 11.7457, 0.2534,
0.5938

297.3619, 0.3014,
0.4069

 6.5708, 0.2297,
0.6594


354.1114, 0.3022,


 3.1952, 0.1980,


0.4021

0.8020


417.6573, 0.3030,
0.3979


 1.2344, 0.0000,
1.0000

 0.0896, 0.0000,
1.0000

 78.0640, 0.2913,
0.4569

 78.0640, 0.2913,
0.4569

 75.8252, 0.2892,
0.4863


 80.9048, 0.2945,
0.4279

 74.1348, 0.2884,
0.5148


 84.3773, 0.2984,
0.4005


 72.9457, 0.2891,
0.5407

 88.5208, 0.3027,
0.3752

 72.1979, 0.2911,
0.5625

 93.3685, 0.3073,
0.3524

 71.8408, 0.2935,
0.5766

 98.9516, 0.3119,
0.3322

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



78.0640, 0.3679, 0.4770



78.0640, 0.2913, 0.4569



78.0640, 0.2247, 0.3830

Triad

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



78.0640, 0.2913, 0.4569



78.0640, 0.1959, 0.2112



78.0640, 0.4592, 0.3325

Complementary

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



78.0640, 0.2913, 0.4569



40.8303, 0.3475, 0.2296

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.



78.0640, 0.4005, 0.2781



78.0640, 0.2913, 0.4569



78.0640, 0.2445, 0.2116

Square

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



78.0640, 0.2913, 0.4569



78.0640, 0.1758, 0.2385



78.0640, 0.3183, 0.2354



78.0640, 0.4699, 0.3911

Rectangle

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



78.0640, 0.2913, 0.4569



78.0640, 0.1946, 0.3245



78.0640, 0.3183, 0.2354



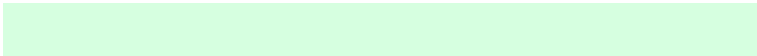
78.0640, 0.4443, 0.3136

Sweetspot

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



78.0672, 0.2913, 0.4569



91.2155, 0.3053, 0.3618



88.8305, 0.3669, 0.4646



19.3112, 0.3044, 0.3665



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.



78.0672, 0.2913, 0.4569



75.7764, 0.2892, 0.4871



80.8913, 0.2608, 0.3712



20.2380, 0.3083, 0.3477



37.5590, 0.2928, 0.5741



3.6730, 0.2871, 0.5534

Inverse Universe

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



40.8303, 0.3475, 0.2296



34.8490, 0.3569, 0.2139



37.9226, 0.4215, 0.2932



18.2232, 0.3174, 0.3110



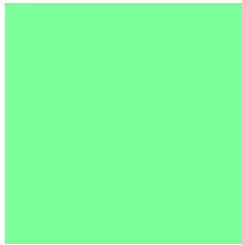
13.1967, 0.3910, 0.1928



1.3017, 0.3813, 0.1874

Previews

White Background



This preview shows how the Yxy color 78.0640, 0.2913, 0.4569 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 78.0640, 0.2913, 0.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

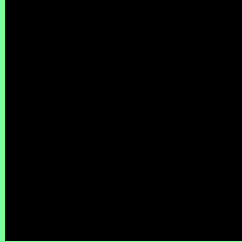
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

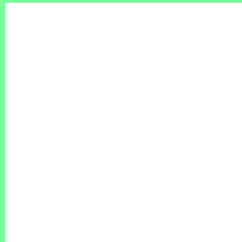
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0640, 0.2913, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 78.0640, 0.2913, 0.4569.

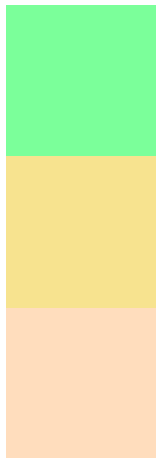


This preview shows how white text looks on a background with the Yxy color 78.0640, 0.2913, 0.4569.

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

78.0640, 0.2913, 0.4569

Protanopia

76.6955, 0.3836, 0.4156

Deuteranopia

76.6470, 0.3601, 0.3618



Tritanopia

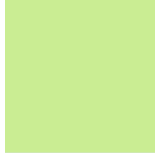
77.3880, 0.2624, 0.3111

Trichromacy



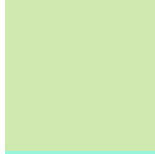
Original Color

78.0640, 0.2913, 0.4569



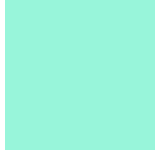
Protanomaly

75.2315, 0.3441, 0.4321



Deuteranomaly

74.6778, 0.3308, 0.3939



Tritanomaly

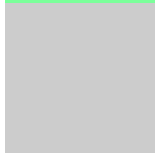
77.0422, 0.2730, 0.3610

Monochromacy



Original Color

78.0640, 0.2913, 0.4569



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.4345, 0.3030, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0640, 0.2913, 0.4569 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(123, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 154)  
}
```

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(123, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 78.0640, 0.2913, 0.4569 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(123, 255, 154) }
```

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

```
.border{ border-color:rgb(123, 255, 154) }
```

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

Here you see how a box with a 4 pixel rgb(123, 255, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0640, 0.2913, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 154) }
```

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

```
.background{ background-color: rgb(123,  
255, 154) }
```

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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