

Converting Colors

$Yxy(78.4833, 0.2913, 0.4247)$

Have a look what the booklet for
Yxy(78.4833, 0.2913, 0.4247)
contains.

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Color

Yxy(78.5164, 0.2912, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	8FFCAE
RGB	143, 252, 174
RGB Percent	56%, 99%, 68%
CMY	0.4394, 0.0117, 0.3176
CMYK	0.43, 0.00, 0.31, 0.01
HSL	137°, 95%, 77%
HSV	137°, 43%, 99%
XYZ	53.7723, 78.5164, 52.3689
YIQ	210.5170, -39.9260, -47.3660

Conversions

Conversions Part 2

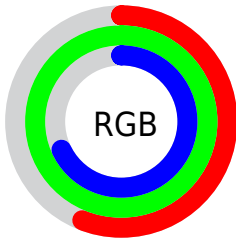
Format	Color
RYB	143, 228, 252
Decimal	9436334
CIELab	91.02, -47.74, 27.81
CIELCh	91, 55.248, 149.778
Yxy	78.5164, 0.2912, 0.4252
Android (android.graphics.Color)	4287626414 (0xFF8FFCAE)
YUV	210.5170, -18.0029, -59.2124
Hunter-Lab	88.6095, -46.7446, 26.9858

Details

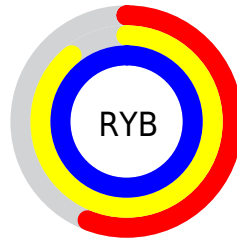
The Yxy color **78.5164, 0.2912, 0.4252** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.5464, 0.3454, 0.2497**, and the grayscale version is **64.9417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6507, 0.2941, 0.3557**, and **42.3420, 0.2845, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **75.8618, 0.2878, 0.4525**, and if you desaturate by 10%, it is **81.7769, 0.2955, 0.3994**.

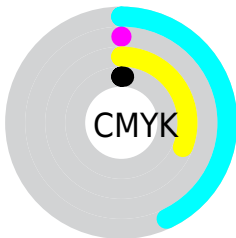
Distribution



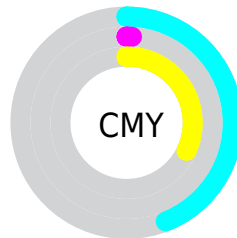
- Red (56%)
- Green (99%)
- Blue (68%)



- Red (56%)
- Yellow (89%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (1%)





- Cyan (44%)
- Magenta (1%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5164, 0.2912, 0.4252 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 78.5164, 0.2912, 0.4252 by changing the saturation by 10% instead.

 78.5164, 0.2912,
0.4252


 78.5164, 0.2912,
0.4252


489.9188, 0.3025,
0.3785

 58.4983, 0.2883,
0.4363


 131.2778, 0.2954,
0.4086

 42.2094, 0.2845,
0.4504

 164.7899, 0.2969,
0.4023

 29.2653, 0.2795,
0.4685


203.5688, 0.2982,
0.3969

 19.2816, 0.2724,
0.4927

247.9989, 0.2993,
0.3922

 11.8739, 0.2619,
0.5267

298.4645, 0.3003,
0.3881

 6.6579, 0.2450,
0.5769


355.3501, 0.3011,


 3.2491, 0.2169,


0.3845


0.6630

419.0401, 0.3018,
0.3814


 1.2631, 0.0000,
1.0000


 0.1124, 0.0000,
1.0000


 78.5164, 0.2912,
0.4252


 78.5164, 0.2912,
0.4252


 75.8618, 0.2878,
0.4525


 81.7769, 0.2955,
0.3994


 73.7655, 0.2856,
0.4803

 85.6681, 0.3004,
0.3755

 72.1880, 0.2849,
0.5074

 90.2252, 0.3056,
0.3540

 71.0808, 0.2859,
0.5324

 95.4780, 0.3110,
0.3348

■ 70.3849, 0.2884,
0.5540

■ 98.1079, 0.3128,
0.3262

■ 70.0927, 0.2906,
0.5662

Harmonies

Analogous

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



78.5164, 0.3543, 0.4480



78.5164, 0.2912, 0.4252



78.5164, 0.2372, 0.3659

Triad

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



78.5164, 0.2912, 0.4252



78.5164, 0.2188, 0.2305



78.5164, 0.4334, 0.3389

Complementary

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



78.5164, 0.2912, 0.4252



45.5464, 0.3454, 0.2497

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.



78.5164, 0.3894, 0.2918



78.5164, 0.2912, 0.4252



78.5164, 0.2624, 0.2321

Square

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



78.5164, 0.2912, 0.4252



78.5164, 0.1992, 0.2525



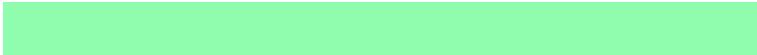
78.5164, 0.3245, 0.2540



78.5164, 0.4397, 0.3881

Rectangle

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



78.5164, 0.2912, 0.4252



78.5164, 0.2129, 0.3207



78.5164, 0.3245, 0.2540



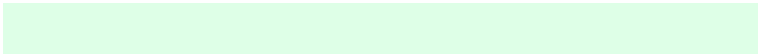
78.5164, 0.4224, 0.3226

Sweetspot

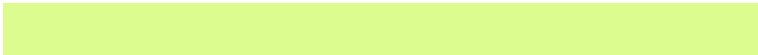
The Sweet Spot groups the original color and five complimentary colors.



78.5196, 0.2912, 0.4252



92.8118, 0.3058, 0.3534



86.9992, 0.3557, 0.4445



19.6304, 0.3046, 0.3580



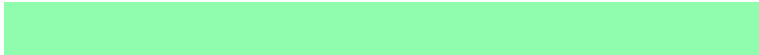
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.5196, 0.2912, 0.4252



78.2305, 0.2882, 0.4490



81.0860, 0.2647, 0.3565



19.3905, 0.3077, 0.3464



36.5301, 0.2898, 0.5634



3.4007, 0.2834, 0.5402

Inverse Universe

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



45.5464, 0.3454, 0.2497



40.2997, 0.3546, 0.2350



43.1029, 0.4016, 0.3042



17.4353, 0.3182, 0.3122



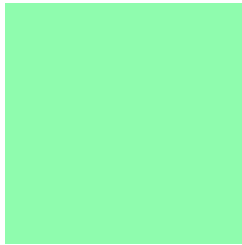
12.5288, 0.4091, 0.2027



1.1786, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 78.5164, 0.2912, 0.4252 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 78.5164, 0.2912, 0.4252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

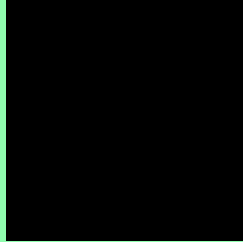
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5164, 0.2912, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 78.5164, 0.2912, 0.4252.



This preview shows how white text looks on a background with the Yxy color 78.5164, 0.2912, 0.4252.

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

78.5164, 0.2912, 0.4252

Protanopia

77.5436, 0.3686, 0.3969

Deuteranopia

77.5338, 0.3541, 0.3546



Tritanopia

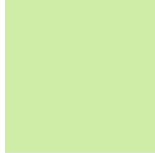
78.1831, 0.2660, 0.3113

Trichromacy



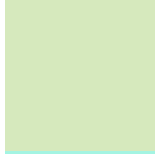
Original Color

78.5164, 0.2912, 0.4252



Protanomaly

76.7683, 0.3364, 0.4082



Deuteranomaly

76.2481, 0.3275, 0.3781



Tritanomaly

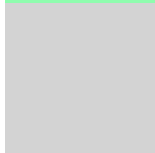
78.0849, 0.2750, 0.3497

Monochromacy



Original Color

78.5164, 0.2912, 0.4252



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.9090, 0.3030, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5164, 0.2912, 0.4252 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(143, 252, 174)` looks like.

```
.text, #text, p{  
    color:rgb(143, 252, 174)  
}
```

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(143, 252, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 252, 174) }
```

Border

The CSS property to change the border of an element to Yxy 78.5164, 0.2912, 0.4252 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(143, 252, 174) }
```

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

```
.border{ border-color:rgb(143, 252, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 252, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 252, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 252, 174);  
box-shadow:4px 4px 4px 4px rgb(143, 252,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5164, 0.2912, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 252, 174) }
```

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

```
.background{ background-color: rgb(143,  
252, 174) }
```

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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