

Converting Colors

$Yxy(79.5019, 0.3329, 0.4750)$

Have a look what the booklet for
Yxy(79.5019, 0.3329, 0.4750)
contains.

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Color

Yxy(79.4994, 0.3329, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	AEFB7E
RGB	174, 251, 126
RGB Percent	68%, 98%, 49%
CMY	0.3177, 0.0157, 0.5058
CMYK	0.31, 0.00, 0.50, 0.02
HSL	97°, 94%, 74%
HSV	97°, 50%, 98%
XYZ	55.7165, 79.4994, 32.1512
YIQ	213.7270, -5.7670, -55.1990

Conversions

Conversions Part 2

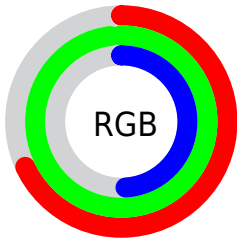
Format	Color
RYB	126, 251, 203
Decimal	11467646
CIELab	91.46, -44.73, 52.09
CIELCh	91, 68.663, 130.651
Yxy	79.4994, 0.3329, 0.4750
Android (android.graphics.Color)	4289657726 (0xFFAEFB7E)
YUV	213.7270, -43.2494, -34.8406
Hunter-Lab	89.1624, -44.4918, 41.0342

Details

The Yxy color **79.4994, 0.3329, 0.4750** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **34.5935, 0.2759, 0.1928**, and the grayscale version is **67.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0120, 0.3412, 0.4057**, and **42.9162, 0.3329, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **77.2587, 0.3340, 0.5056**, and if you desaturate by 10%, it is **82.1141, 0.3303, 0.4432**.

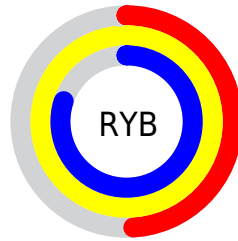
Distribution



Red (68%)

Green (98%)

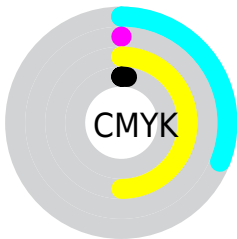
Blue (49%)



Red (49%)

Yellow (98%)

Blue (80%)

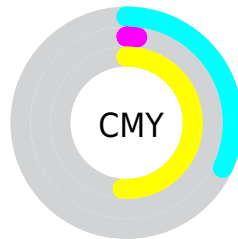


Cyan (31%)

Magenta (0%)

Yellow (50%)

Black (2%)



Cyan (32%)

Magenta (2%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4994, 0.3329, 0.4750 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 79.4994, 0.3329, 0.4750 by changing the saturation by 10% instead.


 79.4994, 0.3329,
0.4750


 79.4994, 0.3329,
0.4750


493.2442, 0.3273,
0.4049


 59.3065, 0.3331,
0.4912


 132.6617, 0.3318,
0.4504

 42.8599, 0.3327,
0.5112


 166.3999, 0.3311,
0.4409

 29.7752, 0.3311,
0.5364


 205.4219, 0.3304,
0.4327

 19.6680, 0.3274,
0.5685

250.1122, 0.3297,
0.4257

 12.1540, 0.3190,
0.6101

300.8552, 0.3291,
0.4195

 6.8486, 0.3073,
0.6778

358.0353, 0.3284,

 3.3676, 0.2643,

0.4140

0.7357

422.0368, 0.3278,
0.4092

■ 1.3265, 0.0791,
0.9209

■ 0.1616, 0.0000,
1.0000

■ 79.4994, 0.3329,
0.4750

■ 79.4994, 0.3329,
0.4750

■ 77.2587, 0.3340,
0.5056

■ 82.1141, 0.3303,
0.4432

■ 75.3624, 0.3334,
0.5331


■ 85.1102, 0.3267,
0.4118

■ 73.7924, 0.3309,
0.5559


■ 88.5075, 0.3223,
0.3818


■ 72.5242, 0.3266,
0.5725

■ 92.3214, 0.3175,
0.3539

 71.5223, 0.3212,
0.5831

 96.5665, 0.3126,
0.3285

 71.5039, 0.3211,
0.5833

 97.4793, 0.3129,
0.3252

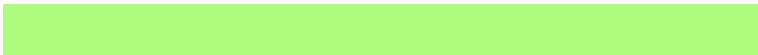
Harmonies

Analogous

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



79.4994, 0.4059, 0.4642



79.4994, 0.3329, 0.4750



79.4994, 0.2585, 0.4274

Triad

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



79.4994, 0.3329, 0.4750



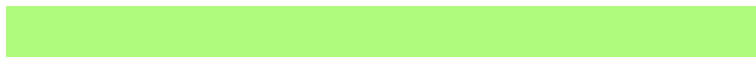
79.4994, 0.1818, 0.2225



79.4994, 0.4319, 0.3022

Complementary

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



79.4994, 0.3329, 0.4750



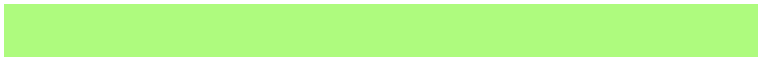
34.5935, 0.2759, 0.1928

Split Complementary

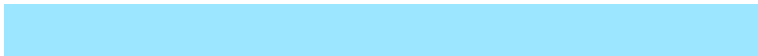
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4994, 0.3565, 0.2532



79.4994, 0.3329, 0.4750



79.4994, 0.2150, 0.2085

Square

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



79.4994, 0.3329, 0.4750



79.4994, 0.1773, 0.2668



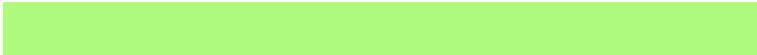
79.4994, 0.2759, 0.2201



79.4994, 0.4701, 0.3592

Rectangle

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



79.4994, 0.3329, 0.4750



79.4994, 0.2183, 0.3717



79.4994, 0.2759, 0.2201



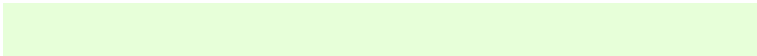
79.4994, 0.4095, 0.2846

Sweetspot

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



79.5028, 0.3329, 0.4750



93.5772, 0.3200, 0.3682



63.7959, 0.4107, 0.4066



19.8534, 0.3210, 0.3741



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.



79.5028, 0.3329, 0.4750



80.0269, 0.3340, 0.5063



75.2861, 0.2997, 0.4727



19.6338, 0.3174, 0.3531



37.6600, 0.3222, 0.5824



3.5468, 0.3314, 0.5751

Inverse Universe

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



34.5935, 0.2759, 0.1928



28.4966, 0.2656, 0.1658



41.6395, 0.3296, 0.2187



17.1725, 0.3076, 0.3052



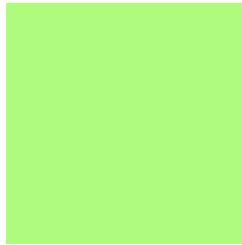
7.3936, 0.2267, 0.1022



0.7457, 0.2378, 0.1083

Previews

White Background



This preview shows how the Yxy color 79.4994, 0.3329, 0.4750 looks on a white background.

Color Contrast Check

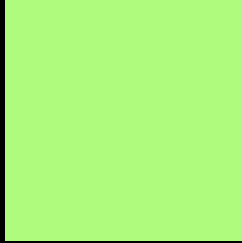
Large Text (above 18pt) WCAG AA × Fail

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 79.4994, 0.3329, 0.4750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

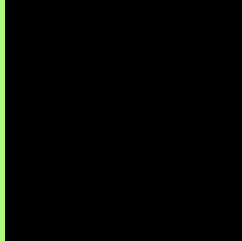
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.4994, 0.3329, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 79.4994, 0.3329, 0.4750.

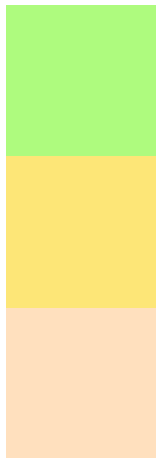


This preview shows how white text looks on a background with the Yxy color 79.4994, 0.3329, 0.4750.

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

79.4994, 0.3329, 0.4750

Protanopia

78.8082, 0.4012, 0.4383

Deuteranopia

78.2890, 0.3586, 0.3637



Tritanopia

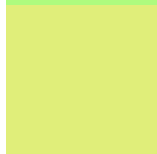
79.3905, 0.2763, 0.3096

Trichromacy



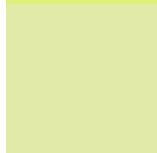
Original Color

79.4994, 0.3329, 0.4750



Protanomaly

78.4015, 0.3740, 0.4523



Deuteranomaly

77.8044, 0.3501, 0.4019



Tritanomaly

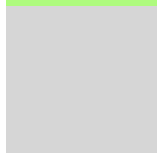
78.6231, 0.2977, 0.3678

Monochromacy



Original Color

79.4994, 0.3329, 0.4750



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.4577, 0.3221, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4994, 0.3329, 0.4750 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(174, 251, 126)` looks like.

```
.text, #text, p{  
    color:rgb(174, 251, 126)  
}
```

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(174, 251, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 251, 126) }
```

Border

The CSS property to change the border of an element to Yxy 79.4994, 0.3329, 0.4750 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(174, 251, 126) }
```

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

```
.border{ border-color:rgb(174, 251, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 251, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 251, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 251, 126);  
box-shadow:4px 4px 4px 4px rgb(174, 251,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4994, 0.3329, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 251, 126) }
```

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

```
.background{ background-color: rgb(174,  
251, 126) }
```

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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