

Converting Colors

$Y_{xy}(79.1072, 0.3348, 0.4795)$

Have a look what the booklet for
Yxy(79.1072, 0.3348, 0.4795)
contains.

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Color

Yxy(79.3982, 0.3348, 0.4792)

Conversions

Conversions Part 1

Format	Color
Hex	AEFB7A
RGB	174, 251, 122
RGB Percent	68%, 98%, 48%
CMY	0.3175, 0.0157, 0.5215
CMYK	0.31, 0.00, 0.51, 0.02
HSL	96°, 94%, 73%
HSV	96°, 51%, 98%
XYZ	55.4727, 79.3982, 30.8182
YIQ	213.2710, -4.4830, -56.4430

Conversions

Conversions Part 2

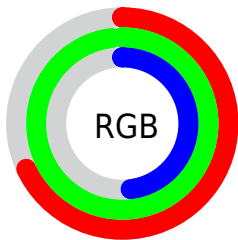
Format	Color
RYB	122, 251, 199
Decimal	11467642
CIELab	91.41, -45.15, 53.88
CIELCh	91, 70.295, 129.958
Yxy	79.3982, 0.3348, 0.4792
Android (android.graphics.Color)	4289657722 (0xFFAEFB7A)
YUV	213.2710, -44.9966, -34.4407
Hunter-Lab	89.1057, -44.8098, 41.8679

Details

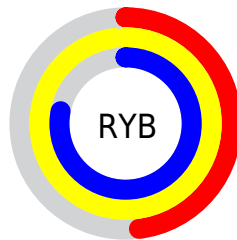
The Yxy color **79.3982, 0.3348, 0.4792** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.0266, 0.2722, 0.1876**, and the grayscale version is **67.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8501, 0.3435, 0.4099**, and **42.7952, 0.3341, 0.5161** is the 20% darker color. If you saturate the color by 10%, you get **77.2318, 0.3359, 0.5091**, and if you desaturate by 10%, it is **81.9239, 0.3321, 0.4478**.

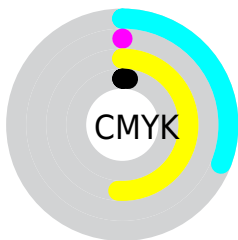
Distribution



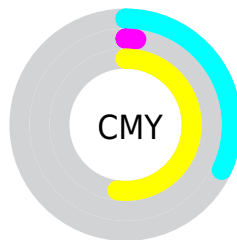
- Red (68%)
- Green (98%)
- Blue (48%)



- Red (48%)
- Yellow (98%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (51%)
- Black (2%)




- Cyan (32%)
- Magenta (2%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3982, 0.3348, 0.4792 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 79.3982, 0.3348, 0.4792 by changing the saturation by 10% instead.


 79.3982, 0.3348,
0.4792

 79.3982, 0.3348,
0.4792

492.9024, 0.3286,
0.4071


 59.2233, 0.3350,
0.4958


 132.5193, 0.3336,
0.4539

 42.7929, 0.3346,
0.5163


 166.2342, 0.3328,
0.4442

 29.7226, 0.3330,
0.5419


 205.2313, 0.3320,
0.4358

 19.6282, 0.3290,
0.5745

249.8949, 0.3313,
0.4285

 12.1250, 0.3201,
0.6164

300.6094, 0.3305,
0.4222

 6.8289, 0.3095,
0.6885


357.7593, 0.3299,


 3.3553, 0.2619,


0.4165

0.7381


421.7288, 0.3292,
0.4116


 1.3199, 0.0697,
0.9303


 0.1566, 0.0000,
1.0000


 79.3982, 0.3348,
0.4792


 79.3982, 0.3348,
0.4792


 77.2318, 0.3359,
0.5091


 81.9239, 0.3321,
0.4478

 75.3955, 0.3352,
0.5357

 84.8159, 0.3283,
0.4164

 73.8717, 0.3325,
0.5574


 88.0937, 0.3237,
0.3863

 72.6358, 0.3280,
0.5728

 91.7720, 0.3187,
0.3582

 71.7733, 0.3232,
0.5816

 95.8652, 0.3134,
0.3324

 97.4729, 0.3129,
0.3252

Harmonies

Analogous

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



79.3982, 0.4091, 0.4662



79.3982, 0.3348, 0.4792



79.3982, 0.2587, 0.4318

Triad

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



79.3982, 0.3348, 0.4792



79.3982, 0.1788, 0.2208



79.3982, 0.4333, 0.3001

Complementary

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



79.3982, 0.3348, 0.4792



33.0266, 0.2722, 0.1876

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.



79.3982, 0.3554, 0.2507



79.3982, 0.3348, 0.4792



79.3982, 0.2118, 0.2062

Square

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



79.3982, 0.3348, 0.4792



79.3982, 0.1748, 0.2666



79.3982, 0.2732, 0.2174



79.3982, 0.4734, 0.3580

Rectangle

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



79.3982, 0.3348, 0.4792



79.3982, 0.2174, 0.3748



79.3982, 0.2732, 0.2174



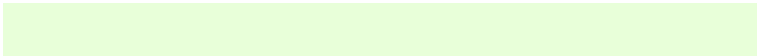
79.3982, 0.4100, 0.2823

Sweetspot

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



79.4016, 0.3348, 0.4792



93.7023, 0.3205, 0.3681



61.9630, 0.4157, 0.4068



19.8834, 0.3216, 0.3740



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.



79.4016, 0.3348, 0.4792



79.9238, 0.3359, 0.5110



74.8186, 0.3003, 0.4807



19.6509, 0.3177, 0.3531



37.8072, 0.3244, 0.5806



3.5616, 0.3336, 0.5733

Inverse Universe

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



33.0266, 0.2722, 0.1876



26.8575, 0.2608, 0.1597



40.7380, 0.3282, 0.2139



17.1551, 0.3073, 0.3052



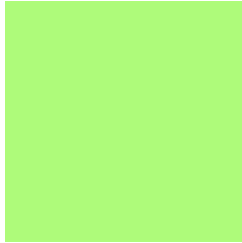
7.1447, 0.2223, 0.0998



0.7235, 0.2338, 0.1062

Previews

White Background



This preview shows how the Yxy color 79.3982, 0.3348, 0.4792 looks on a white background.

Color Contrast Check

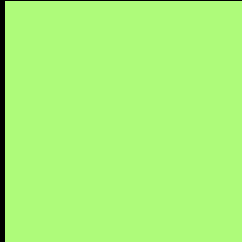
Large Text (above 18pt) WCAG AA × Fail

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 79.3982, 0.3348, 0.4792 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

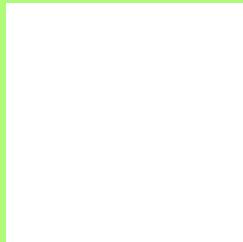
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3982, 0.3348, 0.4792

Background



This preview shows how black text looks on a background with the Yxy color 79.3982, 0.3348, 0.4792.



This preview shows how white text looks on a background with the Yxy color 79.3982, 0.3348, 0.4792.

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

79.3982, 0.3348, 0.4792

Protanopia

78.7141, 0.4034, 0.4416

Deuteranopia

78.2890, 0.3586, 0.3637



Tritanopia

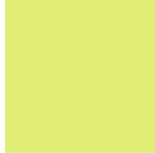
78.8130, 0.2762, 0.3085

Trichromacy



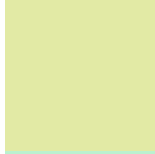
Original Color

79.3982, 0.3348, 0.4792



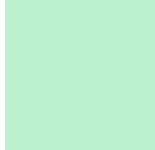
Protanomaly

78.3044, 0.3761, 0.4559



Deuteranomaly

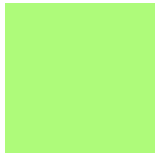
77.7310, 0.3513, 0.4041



Tritanomaly

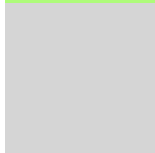
77.9804, 0.2982, 0.3679

Monochromacy



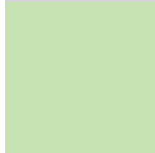
Original Color

79.3982, 0.3348, 0.4792



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3756, 0.3233, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3982, 0.3348, 0.4792 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(174, 251, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 251, 122) }
```

Border

The CSS property to change the border of an element to Yxy 79.3982, 0.3348, 0.4792 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, 122) }
```

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

```
.border{ border-color:rgb(174, 251, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 251, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 251, 122);  
box-shadow:4px 4px 4px 4px rgb(174, 251,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3982, 0.3348, 0.4792 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, 122) }
```

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

```
.background{ background-color: rgb(174,  
251, 122) }
```

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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