

Converting Colors

$Yxy(79.9784, 0.3412, 0.5194)$

Have a look what the booklet for
Yxy(79.9784, 0.3412, 0.5194)
contains.

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Color

Yxy(79.9784, 0.3412, 0.5194)

Conversions

Conversions Part 1

Format	Color
Hex	A3FF56
RGB	163, 255, 86
RGB Percent	64%, 100%, 34%
CMY	0.3609, 0.0000, 0.6629
CMYK	0.36, 0.00, 0.66, 0.00
HSL	93°, 100%, 67%
HSV	93°, 66%, 100%
XYZ	52.5388, 79.9784, 21.4651
YIQ	208.2260, -0.5830, -72.0630

Conversions

Conversions Part 2

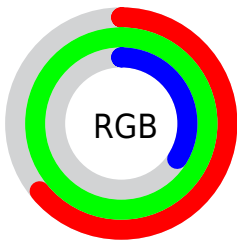
Format	Color
RYB	86, 255, 178
Decimal	10747734
CIELab	91.68, -53.77, 69.25
CIELCh	92, 87.672, 127.830
Yxy	79.9784, 0.3412, 0.5194
Android (android.graphics.Color)	4288937814 (0xFFA3FF56)
YUV	208.2260, -60.2574, -39.6632
Hunter-Lab	89.4306, -51.6384, 48.3707

Details

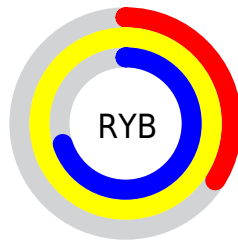
The Yxy color **79.9784, 0.3412, 0.5194** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.3357, 0.2482, 0.1458**, and the grayscale version is **63.6216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1911, 0.3561, 0.4464**, and **43.3717, 0.3381, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **78.2492, 0.3400, 0.5430**, and if you desaturate by 10%, it is **82.0083, 0.3403, 0.4917**.

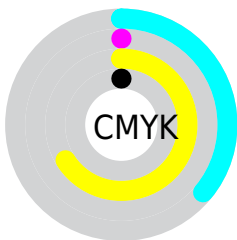
Distribution



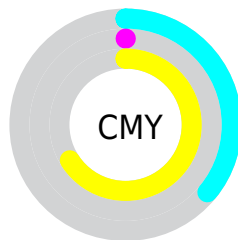
- Red (64%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9784, 0.3412, 0.5194 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 79.9784, 0.3412, 0.5194 by changing the saturation by 10% instead.


 79.9784, 0.3412,
0.5194


 79.9784, 0.3412,
0.5194

494.8600, 0.3351,
0.4287

 59.7006, 0.3404,
0.5396

 133.3354, 0.3408,
0.4881

 43.1773, 0.3383,
0.5640


 167.1833, 0.3401,
0.4758

 30.0243, 0.3337,
0.5936

 206.3234, 0.3393,
0.4652

 19.8570, 0.3246,
0.6293

 251.1400, 0.3385,
0.4560

 12.2912, 0.3107,
0.6792

302.0176, 0.3376,
0.4479

 6.9423, 0.2767,
0.7233


359.3406, 0.3367,


 3.4260, 0.2215,


0.4408

0.7785


423.4932, 0.3359,
0.4344


 1.3580, 0.0000,
1.0000


 0.1855, 0.0000,
1.0000


 79.9784, 0.3412,
0.5194


 79.9784, 0.3412,
0.5194


 78.2492, 0.3400,
0.5430


 82.0083, 0.3403,
0.4917


 76.8092, 0.3367,
0.5611

 84.3680, 0.3376,
0.4617

 75.6291, 0.3315,
0.5732

 87.0710, 0.3334,
0.4308

 75.2444, 0.3294,
0.5766

 90.1332, 0.3283,
0.4004

 93.5692, 0.3226,
0.3715

 97.3926, 0.3165,
0.3447

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.



79.9784, 0.4302, 0.4895



79.9784, 0.3412, 0.5194



79.9784, 0.2497, 0.4677

Triad

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



79.9784, 0.3412, 0.5194



79.9784, 0.1524, 0.2002



79.9784, 0.4567, 0.2872

Complementary

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



79.9784, 0.3412, 0.5194



23.3357, 0.2482, 0.1458

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.



79.9784, 0.3567, 0.2313



79.9784, 0.3412, 0.5194



79.9784, 0.1875, 0.1828

Square

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



79.9784, 0.3412, 0.5194



79.9784, 0.1493, 0.2551



79.9784, 0.2570, 0.1946



79.9784, 0.5092, 0.3530

Rectangle

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



79.9784, 0.3412, 0.5194



79.9784, 0.1999, 0.3939



79.9784, 0.2570, 0.1946



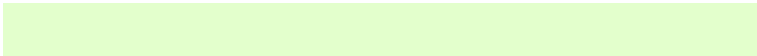
79.9784, 0.4264, 0.2670

Sweetspot

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



79.9751, 0.3412, 0.5194



92.2485, 0.3247, 0.3820



53.0291, 0.4588, 0.4161



19.5386, 0.3264, 0.3902



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.



79.9751, 0.3412, 0.5194



77.6823, 0.3390, 0.5504



74.2629, 0.3009, 0.5383



20.5734, 0.3185, 0.3531



39.4030, 0.3306, 0.5757



3.9005, 0.3393, 0.5688

Inverse Universe

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



23.3357, 0.2482, 0.1458



17.2761, 0.2314, 0.1171



34.7734, 0.3251, 0.1831



17.8650, 0.3065, 0.3050



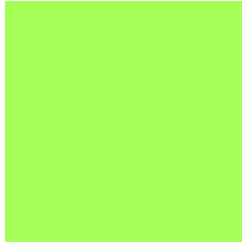
6.7232, 0.2110, 0.0936



0.7196, 0.2228, 0.1001

Previews

White Background



This preview shows how the Yxy color 79.9784, 0.3412, 0.5194 looks on a white background.

Color Contrast Check

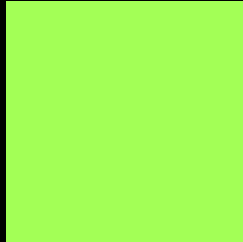
Large Text (above 18pt) WCAG AA × Fail

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 79.9784, 0.3412, 0.5194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

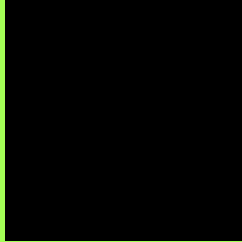
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9784, 0.3412, 0.5194

Background



This preview shows how black text looks on a background with the Yxy color 79.9784, 0.3412, 0.5194.



This preview shows how white text looks on a background with the Yxy color 79.9784, 0.3412, 0.5194.

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

79.9784, 0.3412, 0.5194

Protanopia

78.8129, 0.4117, 0.4510

Deuteranopia

78.7413, 0.3598, 0.3668



Tritanopia

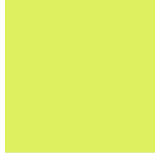
79.7065, 0.2752, 0.3106

Trichromacy



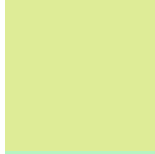
Original Color

79.9784, 0.3412, 0.5194



Protanomaly

78.1071, 0.3847, 0.4762



Deuteranomaly

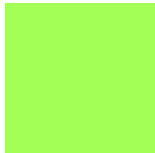
77.7549, 0.3565, 0.4219



Tritanomaly

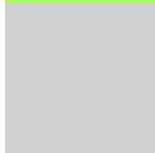
78.5415, 0.3025, 0.3871

Monochromacy



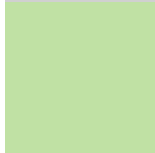
Original Color

79.9784, 0.3412, 0.5194



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.7372, 0.3288, 0.4023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9784, 0.3412, 0.5194 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(163, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 86)  
}
```

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(163, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 86) }
```

Border

The CSS property to change the border of an element to Yxy 79.9784, 0.3412, 0.5194 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(163, 255, 86) }
```

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

```
.border{ border-color:rgb(163, 255, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9784, 0.3412, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 86) }
```

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

```
.background{ background-color: rgb(163,  
255, 86) }
```

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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