

Converting Colors

$Yxy(79.8431, 0.3330, 0.5069)$

Have a look what the booklet for
Yxy(79.8431, 0.3330, 0.5069)
contains.

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Color

Yxy(79.8502, 0.3330, 0.5069)

Conversions

Conversions Part 1

Format	Color
Hex	9FFF66
RGB	159, 255, 102
RGB Percent	62%, 100%, 40%
CMY	0.3765, 0.0000, 0.6000
CMYK	0.38, 0.00, 0.60, 0.00
HSL	98°, 100%, 70%
HSV	98°, 60%, 100%
XYZ	52.4563, 79.8502, 25.2200
YIQ	208.8540, -8.1030, -67.9350

Conversions

Conversions Part 2

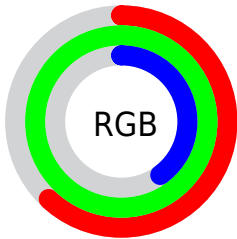
Format	Color
RYB	102, 255, 198
Decimal	10485606
CIELab	91.62, -53.74, 62.72
CIElCh	92, 82.593, 130.589
Yxy	79.8502, 0.3330, 0.5069
Android (android.graphics.Color)	4288675686 (0xFF9FFF66)
YUV	208.8540, -52.6790, -43.7220
Hunter-Lab	89.3589, -51.5934, 45.8177

Details

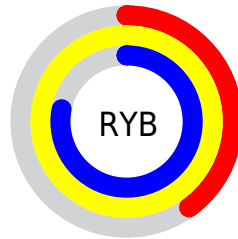
The Yxy color **79.8502, 0.3330, 0.5069** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.7325, 0.2671, 0.1665**, and the grayscale version is **64.0143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8940, 0.3447, 0.4326**, and **43.2793, 0.3298, 0.5509** is the 20% darker color. If you saturate the color by 10%, you get **77.8883, 0.3322, 0.5345**, and if you desaturate by 10%, it is **82.1796, 0.3320, 0.4762**.

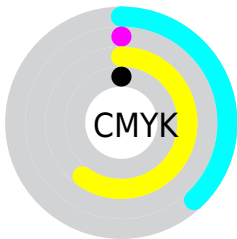
Distribution



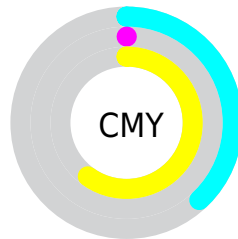
- Red (62%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8502, 0.3330, 0.5069 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 79.8502, 0.3330, 0.5069 by changing the saturation by 10% instead.

 79.8502, 0.3330,
0.5069

 79.8502, 0.3330,
0.5069


494.4279, 0.3294,
0.4214


 59.5951, 0.3321,
0.5264


 133.1551, 0.3331,
0.4771


 43.0923, 0.3300,
0.5502


 166.9737, 0.3327,
0.4655

 29.9576, 0.3258,
0.5796


 206.0822, 0.3323,
0.4555

 19.8064, 0.3177,
0.6161

 250.8651, 0.3317,
0.4469

 12.2544, 0.3031,
0.6627

301.7067, 0.3311,
0.4393

 6.9172, 0.2766,
0.7234


358.9914, 0.3305,


 3.4104, 0.2212,


0.4326


0.7788


423.1037, 0.3300,
0.4267


 1.3495, 0.0000,
1.0000


 0.1791, 0.0000,
1.0000


 79.8502, 0.3330,
0.5069


 79.8502, 0.3330,
0.5069


 77.8883, 0.3322,
0.5345


 82.1796, 0.3320,
0.4762


 76.2708, 0.3296,
0.5573


 84.8968, 0.3297,
0.4442

 74.9715, 0.3253,
0.5738

 88.0207, 0.3262,
0.4126

 73.9525, 0.3198,
0.5843

 91.5688, 0.3220,
0.3825

 73.9521, 0.3198,
0.5843

 95.5574, 0.3174,
0.3545

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.



79.8502, 0.4188, 0.4869



79.8502, 0.3330, 0.5069



79.8502, 0.2465, 0.4502

Triad

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



79.8502, 0.3330, 0.5069



79.8502, 0.1613, 0.2037



79.8502, 0.4555, 0.2954

Complementary

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



79.8502, 0.3330, 0.5069



28.7325, 0.2671, 0.1665

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.



79.8502, 0.3639, 0.2403



79.8502, 0.3330, 0.5069



79.8502, 0.1982, 0.1893

Square

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



79.8502, 0.3330, 0.5069



79.8502, 0.1556, 0.2532



79.8502, 0.2679, 0.2029



79.8502, 0.5000, 0.3596

Rectangle

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



79.8502, 0.3330, 0.5069



79.8502, 0.2006, 0.3800



79.8502, 0.2679, 0.2029



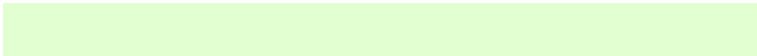
79.8502, 0.4283, 0.2756

Sweetspot

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



79.8503, 0.3330, 0.5069



92.3291, 0.3211, 0.3767



61.8594, 0.4332, 0.4223



19.5262, 0.3224, 0.3852



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.



79.8503, 0.3330, 0.5069



77.5373, 0.3319, 0.5395



75.6981, 0.2969, 0.5036



20.4976, 0.3172, 0.3532



38.7194, 0.3209, 0.5834



3.8298, 0.3296, 0.5765

Inverse Universe

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



28.7325, 0.2671, 0.1665



22.2933, 0.2549, 0.1395



36.8882, 0.3362, 0.2023



17.9425, 0.3078, 0.3051



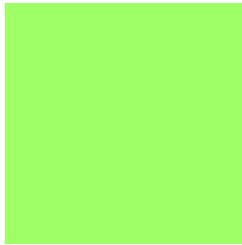
7.7665, 0.2291, 0.1036



0.8185, 0.2395, 0.1093

Previews

White Background



This preview shows how the Yxy color 79.8502, 0.3330, 0.5069 looks on a white background.

Color Contrast Check

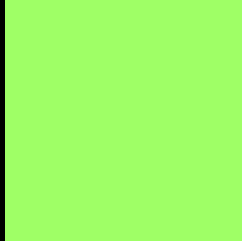
Large Text (above 18pt) WCAG AA × Fail

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 79.8502, 0.3330, 0.5069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

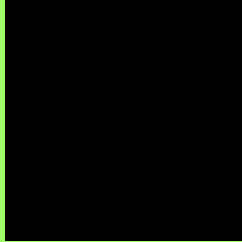
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

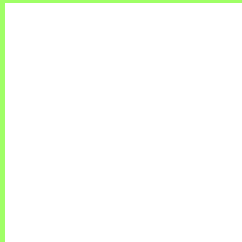
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8502, 0.3330, 0.5069

Background



This preview shows how black text looks on a background with the Yxy color 79.8502, 0.3330, 0.5069.

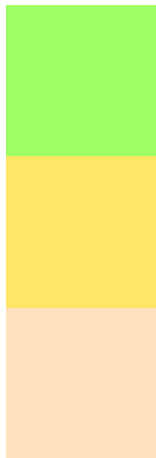


This preview shows how white text looks on a background with the Yxy color 79.8502, 0.3330, 0.5069.

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

79.8502, 0.3330, 0.5069

Protanopia

78.8129, 0.4117, 0.4510

Deuteranopia

78.7846, 0.3591, 0.3657



Tritanopia

79.3162, 0.2735, 0.3105

Trichromacy



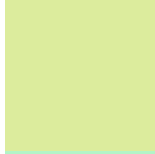
Original Color

79.8502, 0.3330, 0.5069



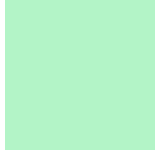
Protanomaly

77.9080, 0.3805, 0.4722



Deuteranomaly

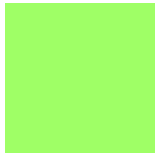
77.6409, 0.3514, 0.4159



Tritanomaly

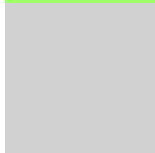
78.4086, 0.2979, 0.3814

Monochromacy



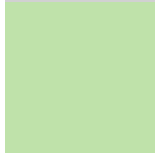
Original Color

79.8502, 0.3330, 0.5069



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3714, 0.3241, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8502, 0.3330, 0.5069 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(159, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 102)  
}
```

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(159, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 79.8502, 0.3330, 0.5069 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(159, 255, 102) }
```

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

```
.border{ border-color:rgb(159, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8502, 0.3330, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 102) }
```

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

```
.background{ background-color: rgb(159,  
255, 102) }
```

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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