

# Converting Colors

Yxy(80.4798, 0.3155, 0.4687)

Have a look what the booklet for  
Yxy(80.4798, 0.3155, 0.4687)  
contains.

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# Color

**Yxy(80.4520, 0.3153, 0.4686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFF8B
RGB	156, 255, 139
RGB Percent	61%, 100%, 55%
CMY	0.3882, 0.0000, 0.4549
CMYK	0.39, 0.00, 0.45, 0.00
HSL	111°, 100%, 77%
HSV	111°, 45%, 100%
XYZ	54.1326, 80.4520, 37.1013
YIQ	212.1750, -21.7680, -57.0640

# Conversions

## Conversions Part 2

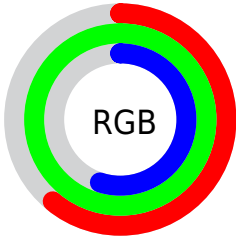
Format	Color
<a href="#">RYB</a>	<a href="#">139, 255, 238</a>
Decimal	<a href="#">10289035</a>
CIELab	<a href="#">91.89, -50.58, 46.32</a>
CIElCh	<a href="#">92, 68.583, 137.516</a>
Yxy	<a href="#">80.4520, 0.3153, 0.4686</a>
Android (android.graphics.Color)	<a href="#">4288479115 (0xFF9CFF8B)</a>
YUV	<a href="#">212.1750, -36.0753, -49.2655</a>
Hunter-Lab	<a href="#">89.6950, -49.2384, 38.2619</a>

# Details

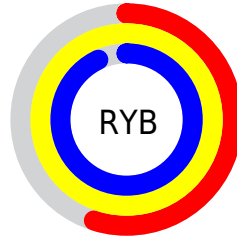
The Yxy color **80.4520, 0.3153, 0.4686** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.8606, 0.3033, 0.2127**, and the grayscale version is **66.2190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7112, 0.3220, 0.3944**, and **43.7127, 0.3122, 0.5051** is the 20% darker color. If you saturate the color by 10%, you get **77.8130, 0.3145, 0.5031**, and if you desaturate by 10%, it is **83.6569, 0.3155, 0.4340**.

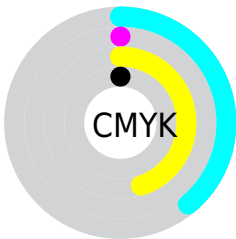
# Distribution



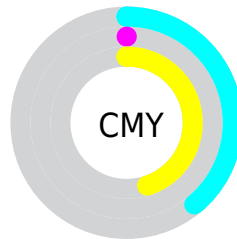
- Red (61%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4520, 0.3153, 0.4686 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 80.4520, 0.3153, 0.4686 by changing the saturation by 10% instead.





 80.4520, 0.3153,  
0.4686

 80.4520, 0.3153,  
0.4686


496.4548, 0.3172,  
0.4010


 60.0904, 0.3140,  
0.4845


 134.0010, 0.3167,  
0.4447

 43.4915, 0.3119,  
0.5043


 167.9572, 0.3170,  
0.4355

 30.2709, 0.3084,  
0.5295


 207.2137, 0.3172,  
0.4276

 20.0443, 0.3025,  
0.5624

252.1550, 0.3173,  
0.4209

 12.4273, 0.2921,  
0.6063

303.1653, 0.3173,  
0.4149

 7.0354, 0.2736,  
0.6689


360.6291, 0.3173,


 3.4842, 0.2382,


0.4097


0.7618


424.9308, 0.3173,  
0.4051


 1.3895, 0.0115,  
0.9885


 0.2089, 0.0000,  
1.0000


 80.4520, 0.3153,  
0.4686


 80.4520, 0.3153,  
0.4686

 77.8130, 0.3145,  
0.5031


 83.6569, 0.3155,  
0.4340


 75.7020, 0.3129,  
0.5351

 87.4533, 0.3151,  
0.4008

 74.0841, 0.3106,  
0.5621

 91.8707, 0.3144,  
0.3703

 72.9179, 0.3077,  
0.5821

 96.9355, 0.3133,  
0.3428

■ 72.1548, 0.3046,  
0.5940

100.0000, 0.3127,  
0.3290

■ 71.9208, 0.3034,  
0.5973

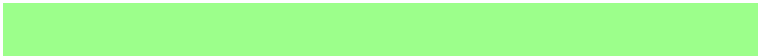
# Harmonies

## Analogous

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



80.4520, 0.3901, 0.4703



80.4520, 0.3153, 0.4686



80.4520, 0.2438, 0.4090

# Triad

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



80.4520, 0.3153, 0.4686



80.4520, 0.1874, 0.2173



80.4520, 0.4442, 0.3149

# Complementary

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



80.4520, 0.3153, 0.4686



43.8606, 0.3033, 0.2127

# Split Complementary

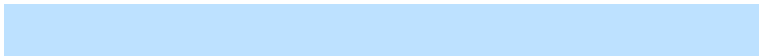
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4520, 0.3751, 0.2636



80.4520, 0.3153, 0.4686



80.4520, 0.2269, 0.2096

# Square

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



80.4520, 0.3153, 0.4686



80.4520, 0.1764, 0.2542



80.4520, 0.2933, 0.2264



80.4520, 0.4708, 0.3726



# Rectangle

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



80.4520, 0.3153, 0.4686



80.4520, 0.2079, 0.3514



80.4520, 0.2933, 0.2264



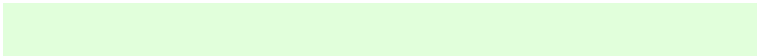
80.4520, 0.4247, 0.2967

# Sweetspot

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



80.4536, 0.3153, 0.4686



92.5834, 0.3142, 0.3660



84.0407, 0.3876, 0.4266



19.5967, 0.3144, 0.3722



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

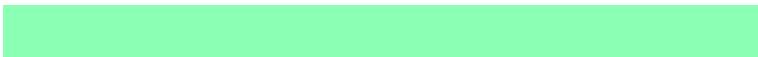
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4536, 0.3153, 0.4686



77.9296, 0.3145, 0.5014



80.2882, 0.2867, 0.4215



20.2959, 0.3138, 0.3534



37.6183, 0.3040, 0.5968



3.6990, 0.3100, 0.5921



# Inverse Universe

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



43.8606, 0.3033, 0.2127



36.9897, 0.3003, 0.1908



44.6013, 0.3551, 0.2528



18.1574, 0.3114, 0.3054



11.5802, 0.2840, 0.1338

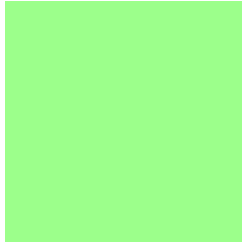


1.1627, 0.2885, 0.1363



# Previews

## White Background



This preview shows how the Yxy color 80.4520, 0.3153, 0.4686 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 80.4520, 0.3153, 0.4686 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

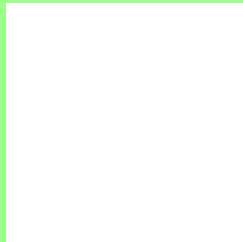
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.4520, 0.3153, 0.4686**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4520, 0.3153, 0.4686.

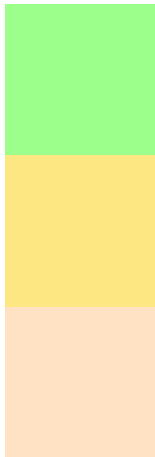


This preview shows how white text looks on a background with the Yxy color 80.4520, 0.3153, 0.4686.

# 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

80.4520, 0.3153, 0.4686

### Protanopia

79.6462, 0.3944, 0.4296

### Deuteranopia

79.5928, 0.3546, 0.3606



## Tritanopia

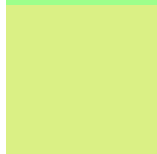
79.9002, 0.2736, 0.3116

# Trichromacy



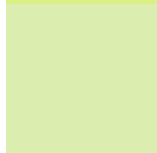
## Original Color

80.4520, 0.3153, 0.4686



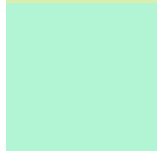
## Protanomaly

78.9191, 0.3628, 0.4452



## Deuteranomaly

78.7236, 0.3393, 0.3973



## Tritanomaly

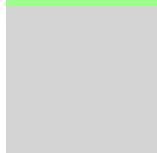
79.5739, 0.2896, 0.3657

# Monochromacy



## Original Color

80.4520, 0.3153, 0.4686



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

70.1961, 0.3151, 0.3798

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4520, 0.3153, 0.4686 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(156, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 139)  
}
```

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(156, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4520, 0.3153, 0.4686 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(156, 255, 139) }
```

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

```
.border{ border-color:rgb(156, 255, 139) }
```

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

Here you see how a box with a 4 pixel rgb(156, 255, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4520, 0.3153, 0.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 139) }
```

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

```
.background{ background-color: rgb(156,  
255, 139) }
```

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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