

# Converting Colors

Yxy(78.6086, 0.3255, 0.5112)

Have a look what the booklet for  
Yxy(78.6086, 0.3255, 0.5112)  
contains.

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# Color

**Yxy(78.5903, 0.3254, 0.5113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FF66
RGB	146, 255, 102
RGB Percent	57%, 100%, 40%
CMY	0.4273, 0.0000, 0.6000
CMYK	0.43, 0.00, 0.60, 0.00
HSL	103°, 100%, 70%
HSV	103°, 60%, 100%
XYZ	50.0162, 78.5903, 25.1003
YIQ	204.9670, -15.8510, -70.6910

# Conversions

## Conversions Part 2

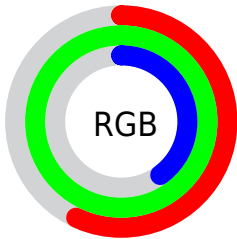
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 211</a>
Decimal	<a href="#">9633638</a>
CIELab	<a href="#">91.05, -57.75, 61.93</a>
CIELCh	<a href="#">91, 84.679, 132.995</a>
Yxy	<a href="#">78.5903, 0.3254, 0.5113</a>
Android (android.graphics.Color)	<a href="#">4287823718</a> ( <a href="#">0xFF92FF66</a> )
YUV	<a href="#">204.9670, -50.7627, -51.7141</a>
Hunter-Lab	<a href="#">88.6512, -54.4314, 45.2687</a>

# Details

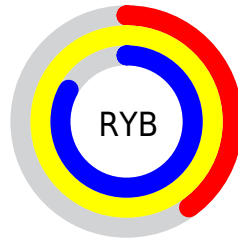
The Yxy color **78.5903, 0.3254, 0.5113** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.5638, 0.2788, 0.1716**, and the grayscale version is **61.3705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9678, 0.3361, 0.4356**, and **42.1004, 0.3207, 0.5561** is the 20% darker color. If you saturate the color by 10%, you get **76.6280, 0.3239, 0.5401**, and if you desaturate by 10%, it is **80.9783, 0.3254, 0.4794**.

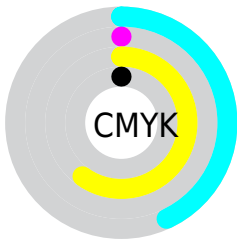
# Distribution



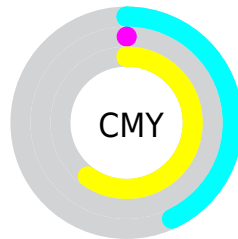
- Red (57%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5903, 0.3254, 0.5113 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 78.5903, 0.3254, 0.5113 by changing the saturation by 10% instead.




 78.5903, 0.3254,  
0.5113


 78.5903, 0.3254,  
0.5113


490.1692, 0.3254,  
0.4229


 58.5590, 0.3236,  
0.5317


 131.3819, 0.3268,  
0.4803


 42.2582, 0.3205,  
0.5567


 164.9111, 0.3269,  
0.4683

 29.3035, 0.3150,  
0.5877


 203.7083, 0.3268,  
0.4580

 19.3106, 0.3051,  
0.6266

 248.1580, 0.3266,  
0.4490

 11.8949, 0.2881,  
0.6767

298.6445, 0.3264,  
0.4413

 6.6722, 0.2580,  
0.7420

355.5523, 0.3261,


 3.2579, 0.1982,

0.4344

0.8018


419.2657, 0.3257,  
0.4283

 1.2678, 0.0000,  
1.0000


 0.1161, 0.0000,  
1.0000

 78.5903, 0.3254,  
0.5113


 78.5903, 0.3254,  
0.5113


 76.6280, 0.3239,  
0.5401


 80.9783, 0.3254,  
0.4794


 75.0556, 0.3210,  
0.5636


 83.8078, 0.3242,  
0.4463

 73.8447, 0.3168,  
0.5804

 87.1044, 0.3221,  
0.4137

 72.9521, 0.3119,  
0.5905

 90.8888, 0.3193,  
0.3830

 95.1806, 0.3161,  
0.3546

99.9983, 0.3127,  
0.3290

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.



78.5903, 0.4143, 0.4946



78.5903, 0.3254, 0.5113



78.5903, 0.2379, 0.4465

# Triad

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



78.5903, 0.3254, 0.5113



78.5903, 0.1596, 0.1981



78.5903, 0.4658, 0.2992

# Complementary

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



78.5903, 0.3254, 0.5113



30.5638, 0.2788, 0.1716

# 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.



78.5903, 0.3736, 0.2420



78.5903, 0.3254, 0.5113



78.5903, 0.1997, 0.1861

# Square

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



78.5903, 0.3254, 0.5113



78.5903, 0.1512, 0.2451



78.5903, 0.2736, 0.2021



78.5903, 0.5061, 0.3649



# Rectangle

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



78.5903, 0.3254, 0.5113



78.5903, 0.1927, 0.3722



78.5903, 0.2736, 0.2021



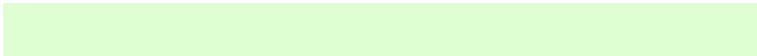
78.5903, 0.4390, 0.2788

# Sweetspot

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



78.5932, 0.3254, 0.5113



91.7073, 0.3187, 0.3771



67.8679, 0.4247, 0.4337



19.3761, 0.3195, 0.3857



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.



78.5932, 0.3254, 0.5113



76.2836, 0.3235, 0.5452



76.0265, 0.2917, 0.4880



20.4213, 0.3159, 0.3533



38.1844, 0.3130, 0.5897



3.7707, 0.3210, 0.5833



# Inverse Universe

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



30.5638, 0.2788, 0.1716



24.3554, 0.2694, 0.1467



36.1646, 0.3494, 0.2123



18.0223, 0.3092, 0.3052



9.0237, 0.2490, 0.1145

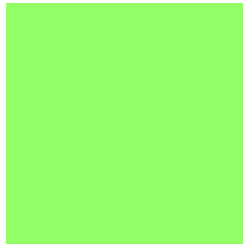


0.9343, 0.2574, 0.1192



# Previews

## White Background



This preview shows how the Yxy color 78.5903, 0.3254, 0.5113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

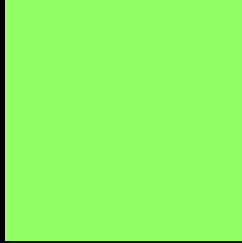
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.5903, 0.3254, 0.5113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

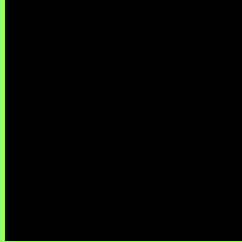
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

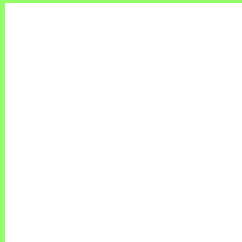
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.5903, 0.3254, 0.5113**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.5903, 0.3254, 0.5113.



This preview shows how white text looks on a background with the Yxy color 78.5903, 0.3254, 0.5113.

# 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

78.5903, 0.3254, 0.5113

### Protanopia

77.3658, 0.4160, 0.4556

### Deuteranopia

77.4542, 0.3638, 0.3699



## Tritanopia

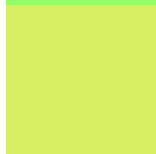
78.0724, 0.2680, 0.3103

# Trichromacy



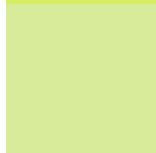
## Original Color

78.5903, 0.3254, 0.5113



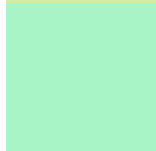
## Protanomaly

76.4592, 0.3795, 0.4776



## Deuteranomaly

76.1968, 0.3499, 0.4194



## Tritanomaly

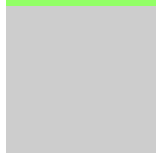
77.1497, 0.2914, 0.3823

# Monochromacy



## Original Color

78.5903, 0.3254, 0.5113



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.7929, 0.3207, 0.3964

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.5903, 0.3254, 0.5113 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(146, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 78.5903, 0.3254, 0.5113 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(146, 255, 102) }
```

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

```
.border{ border-color:rgb(146, 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(146, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.5903, 0.3254, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 102) }
```

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

```
.background{ background-color: rgb(146,  
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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