

Converting Colors

Yxy(78.9213, 0.3207, 0.5149)

Have a look what the booklet for
Yxy(78.9213, 0.3207, 0.5149)
contains.

Yxy(77.8826, 0.3209, 0.5139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.8826, 0.3209, 0.5139)

Conversions

Conversions Part 1

Format	Color
Hex	8AFF66
RGB	138, 255, 102
RGB Percent	54%, 100%, 40%
CMY	0.4590, 0.0000, 0.6000
CMYK	0.46, 0.00, 0.60, 0.00
HSL	106°, 100%, 70%
HSV	106°, 60%, 100%
XYZ	48.6331, 77.8826, 25.0364
YIQ	202.5750, -20.6190, -72.3870

Conversions

Conversions Part 2

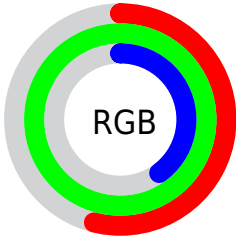
Format	Color
RYB	102, 255, 219
Decimal	9109350
CIELab	90.73, -60.11, 61.48
CIElCh	91, 85.986, 134.354
Yxy	77.8826, 0.3209, 0.5139
Android (android.graphics.Color)	4287299430 (0xFF8AFF66)
YUV	202.5750, -49.5835, -56.6323
Hunter-Lab	88.2511, -56.0724, 44.9555

Details

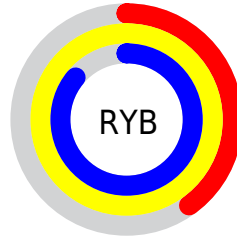
The Yxy color **77.8826, 0.3209, 0.5139** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.7870, 0.2861, 0.1748**, and the grayscale version is **59.7563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9944, 0.3315, 0.4371**, and **41.6585, 0.3149, 0.5602** is the 20% darker color. If you saturate the color by 10%, you get **75.9315, 0.3192, 0.5432**, and if you desaturate by 10%, it is **80.2795, 0.3214, 0.4813**.

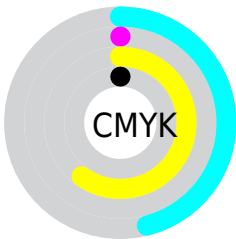
Distribution



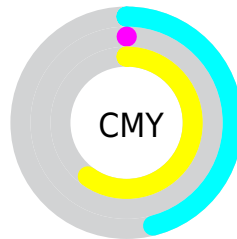
- Red (54%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (86%)



- Cyan (46%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8826, 0.3209, 0.5139 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 77.8826, 0.3209, 0.5139 by changing the saturation by 10% instead.


 77.8826, 0.3209,
0.5139

 77.8826, 0.3209,
0.5139


487.7680, 0.3230,
0.4237


 57.9775, 0.3186,
0.5348

 130.3846, 0.3230,
0.4822


 41.7906, 0.3149,
0.5605

 163.7504, 0.3234,
0.4699

 28.9374, 0.3085,
0.5925


 202.3718, 0.3236,
0.4594

 19.0334, 0.2977,
0.6328

 246.6333, 0.3236,
0.4503

 11.6944, 0.2793,
0.6850

296.9193, 0.3236,
0.4424

 6.5360, 0.2471,
0.7529


353.6141, 0.3234,


 3.1736, 0.1835,


0.4354


0.8165


417.1023, 0.3232,
0.4293


 1.2230, 0.0000,
1.0000


 0.0804, 0.0000,
1.0000


 77.8826, 0.3209,
0.5139


 77.8826, 0.3209,
0.5139


 75.9315, 0.3192,
0.5432


 80.2795, 0.3214,
0.4813

 74.4081, 0.3163,
0.5671

 83.1627, 0.3209,
0.4475

 73.2732, 0.3124,
0.5839

 86.5533, 0.3195,
0.4144

 72.4785, 0.3081,
0.5936

 90.4750, 0.3176,
0.3832

 94.9496, 0.3152,
0.3547

99.9981, 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.



77.8826, 0.4116, 0.4993



77.8826, 0.3209, 0.5139



77.8826, 0.2328, 0.4443

Triad

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



77.8826, 0.3209, 0.5139



77.8826, 0.1585, 0.1948



77.8826, 0.4719, 0.3013

Complementary

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



77.8826, 0.3209, 0.5139



31.7870, 0.2861, 0.1748

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.



77.8826, 0.3794, 0.2429



77.8826, 0.3209, 0.5139



77.8826, 0.2006, 0.1843

Square

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



77.8826, 0.3209, 0.5139



77.8826, 0.1485, 0.2404



77.8826, 0.2770, 0.2016



77.8826, 0.5096, 0.3680

Rectangle

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



77.8826, 0.3209, 0.5139



77.8826, 0.1882, 0.3675



77.8826, 0.2770, 0.2016



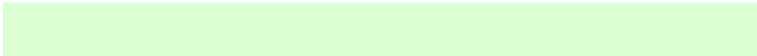
77.8826, 0.4453, 0.2806

Sweetspot

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



77.8783, 0.3209, 0.5139



91.3265, 0.3171, 0.3773



71.7149, 0.4198, 0.4402



19.2845, 0.3178, 0.3860



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.



77.8783, 0.3209, 0.5139



75.5946, 0.3187, 0.5485



76.2449, 0.2885, 0.4782



20.3741, 0.3151, 0.3533



37.9275, 0.3090, 0.5929



3.7401, 0.3164, 0.5870

Inverse Universe

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



31.7870, 0.2861, 0.1748



25.7521, 0.2786, 0.1512



35.7576, 0.3576, 0.2187



18.0726, 0.3100, 0.3053



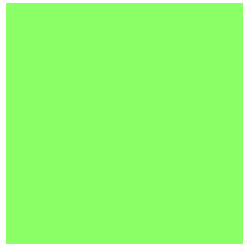
9.9112, 0.2619, 0.1216



1.0145, 0.2689, 0.1255

Previews

White Background



This preview shows how the Yxy color 77.8826, 0.3209, 0.5139 looks on a white background.

Color Contrast Check

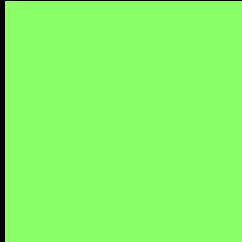
Large Text (above 18pt) WCAG AA × Fail

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 77.8826, 0.3209, 0.5139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

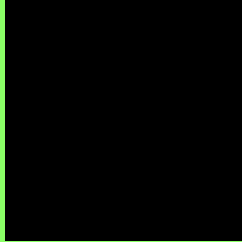
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

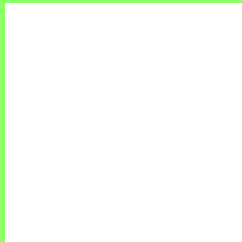
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8826, 0.3209, 0.5139

Background



This preview shows how black text looks on a background with the Yxy color 77.8826, 0.3209, 0.5139.

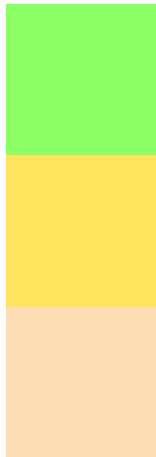


This preview shows how white text looks on a background with the Yxy color 77.8826, 0.3209, 0.5139.

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

77.8826, 0.3209, 0.5139

Protanopia

76.6290, 0.4159, 0.4553

Deuteranopia

76.2682, 0.3665, 0.3711



Tritanopia

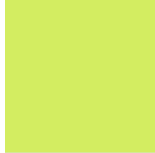
77.4830, 0.2654, 0.3101

Trichromacy



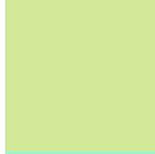
Original Color

77.8826, 0.3209, 0.5139



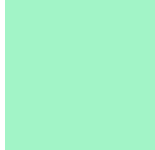
Protanomaly

75.2803, 0.3770, 0.4786



Deuteranomaly

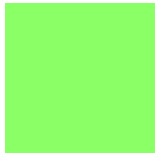
74.5419, 0.3494, 0.4204



Tritanomaly

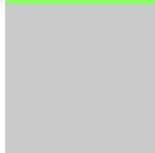
76.5063, 0.2880, 0.3829

Monochromacy



Original Color

77.8826, 0.3209, 0.5139



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.5794, 0.3185, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8826, 0.3209, 0.5139 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(138, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 77.8826, 0.3209, 0.5139 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(138, 255, 102) }
```

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

```
.border{ border-color:rgb(138, 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(138, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8826, 0.3209, 0.5139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 102) }
```

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

```
.background{ background-color: rgb(138,  
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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