

Converting Colors

Yxy(78.0836, 0.3237, 0.5158)

Have a look what the booklet for
Yxy(78.0836, 0.3237, 0.5158)
contains.

Yxy(78.0836, 0.3237, 0.5158)	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(78.0836, 0.3237, 0.5158)

Conversions

Conversions Part 1

Format	Color
Hex	8DFF63
RGB	141, 255, 99
RGB Percent	55%, 100%, 39%
CMY	0.4469, 0.0000, 0.6117
CMYK	0.45, 0.00, 0.61, 0.00
HSL	104°, 100%, 69%
HSV	104°, 61%, 100%
XYZ	49.0028, 78.0836, 24.2970
YIQ	203.1300, -17.8680, -72.6840

Conversions

Conversions Part 2

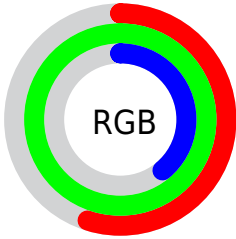
Format	Color
R _Y B	99, 255, 213
Decimal	9305955
CIE Lab	90.82, -59.50, 62.86
CIE LCh	91, 86.552, 133.426
Yxy	78.0836, 0.3237, 0.5158
Android (android.graphics.Color)	4287496035 (0xFF8DFF63)
YUV	203.1300, -51.3361, -54.4880
Hunter-Lab	88.3649, -55.6513, 45.5529

Details

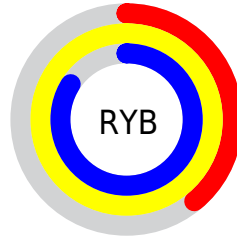
The Yxy color **78.0836, 0.3237, 0.5158** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.2895, 0.2805, 0.1701**, and the grayscale version is **60.1535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3041, 0.3351, 0.4397**, and **41.7549, 0.3177, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **76.1750, 0.3220, 0.5443**, and if you desaturate by 10%, it is **80.4275, 0.3241, 0.4839**.

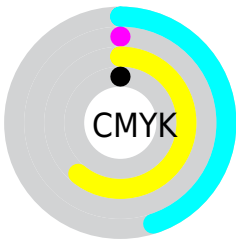
Distribution



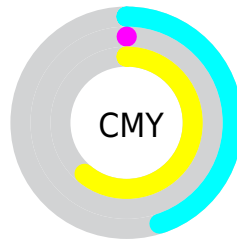
- Red (55%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (84%)



- Cyan (45%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0836, 0.3237, 0.5158 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 78.0836, 0.3237, 0.5158 by changing the saturation by 10% instead.


 78.0836, 0.3237,
0.5158


 78.0836, 0.3237,
0.5158


488.4507, 0.3248,
0.4250


 58.1427, 0.3216,
0.5368


 130.6680, 0.3255,
0.4839


 41.9233, 0.3180,
0.5625


 164.0802, 0.3258,
0.4716

 29.0413, 0.3118,
0.5943

 202.7516, 0.3258,
0.4610

 19.1120, 0.3011,
0.6342

 247.0666, 0.3257,
0.4518

 11.7513, 0.2830,
0.6863

297.4097, 0.3256,
0.4438

 6.5745, 0.2500,
0.7500


354.1651, 0.3253,


 3.1975, 0.1875,


0.4368

0.8125


417.7173, 0.3250,
0.4305


 1.2357, 0.0000,
1.0000


 0.0906, 0.0000,
1.0000


 78.0836, 0.3237,
0.5158


 78.0836, 0.3237,
0.5158


 76.1750, 0.3220,
0.5443

 80.4275, 0.3241,
0.4839


 74.6629, 0.3189,
0.5672


 83.2226, 0.3232,
0.4506

 73.5176, 0.3147,
0.5831

 86.4959, 0.3214,
0.4177

 72.7735, 0.3105,
0.5917

 90.2694, 0.3190,
0.3865

 94.5635, 0.3161,
0.3578

 99.3977, 0.3131,
0.3318

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



78.0836, 0.4145, 0.4986



78.0836, 0.3237, 0.5158



78.0836, 0.2348, 0.4483

Triad

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



78.0836, 0.3237, 0.5158



78.0836, 0.1571, 0.1950



78.0836, 0.4705, 0.2991

Complementary

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



78.0836, 0.3237, 0.5158



30.2895, 0.2805, 0.1701

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.



78.0836, 0.3764, 0.2409



78.0836, 0.3237, 0.5158



78.0836, 0.1983, 0.1835

Square

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



78.0836, 0.3237, 0.5158



78.0836, 0.1480, 0.2419



78.0836, 0.2739, 0.2002



78.0836, 0.5105, 0.3659

Rectangle

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



78.0836, 0.3237, 0.5158



78.0836, 0.1892, 0.3714



78.0836, 0.2739, 0.2002



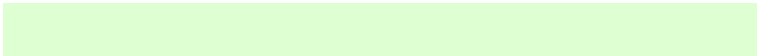
78.0836, 0.4433, 0.2784

Sweetspot

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



78.0869, 0.3237, 0.5158



91.5739, 0.3181, 0.3771



68.6524, 0.4253, 0.4375



19.3440, 0.3189, 0.3858



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.



78.0869, 0.3237, 0.5158



75.8700, 0.3215, 0.5489



75.8612, 0.2904, 0.4882



20.4048, 0.3156, 0.3533



38.0883, 0.3115, 0.5909



3.7595, 0.3194, 0.5846

Inverse Universe

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



30.2895, 0.2805, 0.1701



24.4151, 0.2718, 0.1465



35.4184, 0.3531, 0.2127



18.0398, 0.3095, 0.3053



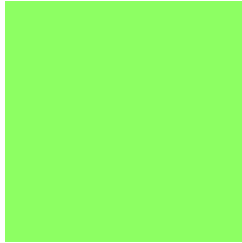
9.3239, 0.2535, 0.1170



0.9616, 0.2614, 0.1214

Previews

White Background



This preview shows how the Yxy color 78.0836, 0.3237, 0.5158 looks on a white background.

Color Contrast Check

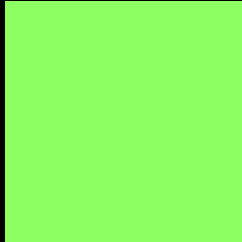
Large Text (above 18pt) WCAG AA × Fail

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 78.0836, 0.3237, 0.5158 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

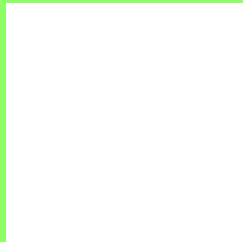
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0836, 0.3237, 0.5158

Background



This preview shows how black text looks on a background with the Yxy color 78.0836, 0.3237, 0.5158.

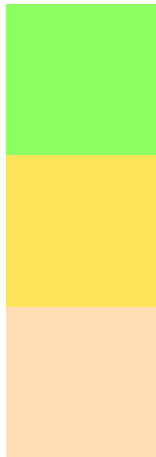


This preview shows how white text looks on a background with the Yxy color 78.0836, 0.3237, 0.5158.

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

78.0836, 0.3237, 0.5158

Protanopia

77.1248, 0.4166, 0.4581

Deuteranopia

76.8387, 0.3655, 0.3710



Tritanopia

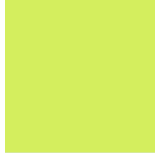
77.7162, 0.2664, 0.3102

Trichromacy



Original Color

78.0836, 0.3237, 0.5158



Protanomaly

75.9543, 0.3786, 0.4813



Deuteranomaly

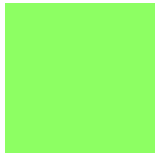
75.3761, 0.3512, 0.4220



Tritanomaly

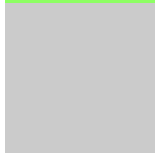
76.6711, 0.2897, 0.3839

Monochromacy



Original Color

78.0836, 0.3237, 0.5158



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6625, 0.3198, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0836, 0.3237, 0.5158 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(141, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 99)  
}
```

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(141, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 78.0836, 0.3237, 0.5158 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(141, 255, 99) }
```

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

```
.border{ border-color:rgb(141, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0836, 0.3237, 0.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 99) }
```

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

```
.background{ background-color: rgb(141,  
255, 99) }
```

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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