

Converting Colors

$Yxy(88.8205, 0.3256, 0.5374)$

Have a look what the booklet for
Yxy(88.8205, 0.3256, 0.5374)
contains.

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Color

Yxy(77.8228, 0.3288, 0.5293)

Conversions

Conversions Part 1

Format	Color
Hex	8DFF54
RGB	141, 255, 84
RGB Percent	55%, 100%, 33%
CMY	0.4471, 0.0000, 0.6705
CMYK	0.45, 0.00, 0.67, 0.00
HSL	100°, 100%, 66%
HSV	100°, 67%, 100%
XYZ	48.3434, 77.8228, 20.8635
YIQ	201.4200, -13.0530, -77.3490

Conversions

Conversions Part 2

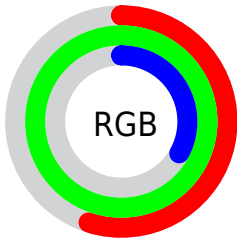
Format	Color
RYB	84, 255, 198
Decimal	9305940
CIELab	90.70, -60.79, 68.66
CIElCh	91, 91.705, 131.520
Yxy	77.8228, 0.3288, 0.5293
Android (android.graphics.Color)	4287496020 (0xFF8DFF54)
YUV	201.4200, -57.8881, -52.9883
Hunter-Lab	88.2172, -56.5615, 47.7299

Details

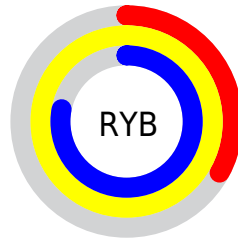
The Yxy color **77.8228, 0.3288, 0.5293** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **25.5738, 0.2661, 0.1529**, and the grayscale version is **59.0539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8606, 0.3423, 0.4546**, and **41.6213, 0.3229, 0.5778** is the 20% darker color. If you saturate the color by 10%, you get **76.1145, 0.3265, 0.5541**, and if you desaturate by 10%, it is **79.9034, 0.3294, 0.5000**.

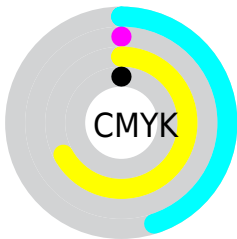
Distribution



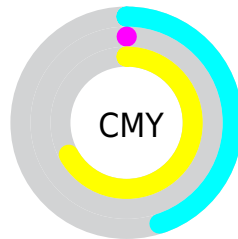
- Red (55%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8228, 0.3288, 0.5293 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 77.8228, 0.3288, 0.5293 by changing the saturation by 10% instead.


 77.8228, 0.3288,
0.5293

 77.8228, 0.3288,
0.5293


487.5648, 0.3288,
0.4324

 57.9284, 0.3265,
0.5513


 130.3003, 0.3306,
0.4955

 41.7511, 0.3225,
0.5780


 163.6522, 0.3307,
0.4824

 28.9065, 0.3155,
0.6106


 202.2588, 0.3306,
0.4711

 19.0101, 0.3032,
0.6505

 246.5043, 0.3304,
0.4612

 11.6776, 0.2854,
0.7082

296.7733, 0.3300,
0.4527

 6.5245, 0.2443,
0.7557


353.4501, 0.3296,


 3.1666, 0.1798,


0.4451


0.8202


416.9192, 0.3292,
0.4384


 1.2193, 0.0000,
1.0000

 0.0774, 0.0000,
1.0000


 77.8228, 0.3288,
0.5293


 77.8228, 0.3288,
0.5293


 76.1145, 0.3265,
0.5541


 79.9034, 0.3294,
0.5000


 74.7543, 0.3226,
0.5728


 82.3830, 0.3285,
0.4681


 73.7088, 0.3174,
0.5847

 85.2824, 0.3264,
0.4356

 73.4494, 0.3159,
0.5874

 88.6215, 0.3233,
0.4040

 92.4189, 0.3196,
0.3741

 96.6919, 0.3156,
0.3467

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.



77.8228, 0.4234, 0.5032



77.8228, 0.3288, 0.5293



77.8228, 0.2350, 0.4637

Triad

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



77.8228, 0.3288, 0.5293



77.8228, 0.1486, 0.1901



77.8228, 0.4749, 0.2925

Complementary

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



77.8228, 0.3288, 0.5293



25.5738, 0.2661, 0.1529

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.



77.8228, 0.3726, 0.2332



77.8228, 0.3288, 0.5293



77.8228, 0.1888, 0.1767

Square

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



77.8228, 0.3288, 0.5293



77.8228, 0.1410, 0.2410



77.8228, 0.2653, 0.1923



77.8228, 0.5210, 0.3610

Rectangle

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



77.8228, 0.3288, 0.5293



77.8228, 0.1862, 0.3816



77.8228, 0.2653, 0.1923



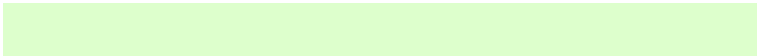
77.8228, 0.4449, 0.2713

Sweetspot

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



77.8219, 0.3288, 0.5293



91.2505, 0.3207, 0.3827



62.2914, 0.4426, 0.4374



19.3011, 0.3218, 0.3911



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.



77.8219, 0.3288, 0.5293



75.6787, 0.3255, 0.5603



74.5870, 0.2930, 0.5158



20.4621, 0.3166, 0.3532



38.4514, 0.3170, 0.5865



3.8007, 0.3255, 0.5798

Inverse Universe

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



25.5738, 0.2661, 0.1529



20.1565, 0.2542, 0.1290



33.1222, 0.3486, 0.1984



17.9795, 0.3084, 0.3052



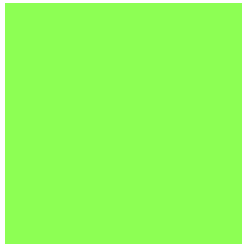
8.3254, 0.2382, 0.1086



0.8704, 0.2477, 0.1138

Previews

White Background



This preview shows how the Yxy color 77.8228, 0.3288, 0.5293 looks on a white background.

Color Contrast Check

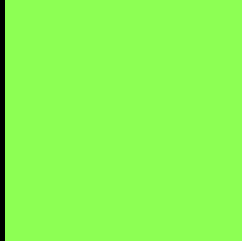
Large Text (above 18pt) WCAG AA × Fail

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 77.8228, 0.3288, 0.5293 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

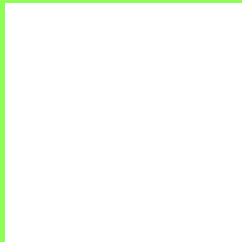
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8228, 0.3288, 0.5293

Background



This preview shows how black text looks on a background with the Yxy color 77.8228, 0.3288, 0.5293.



This preview shows how white text looks on a background with the Yxy color 77.8228, 0.3288, 0.5293.

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

77.8228, 0.3288, 0.5293

Protanopia

76.5308, 0.4244, 0.4663

Deuteranopia

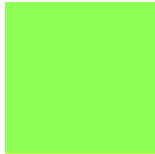
76.7572, 0.3670, 0.3731



Tritanopia

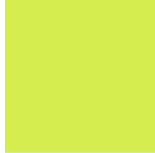
77.0185, 0.2658, 0.3090

Trichromacy



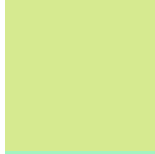
Original Color

77.8228, 0.3288, 0.5293



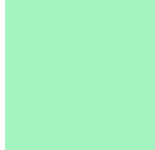
Protanomaly

75.2790, 0.3859, 0.4913



Deuteranomaly

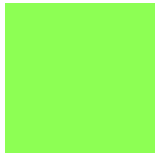
75.1554, 0.3554, 0.4296



Tritanomaly

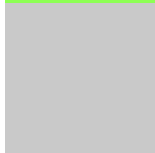
76.3382, 0.2918, 0.3903

Monochromacy



Original Color

77.8228, 0.3288, 0.5293



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.7652, 0.3237, 0.4078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8228, 0.3288, 0.5293 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 84) }
```

Border

The CSS property to change the border of an element to Yxy 77.8228, 0.3288, 0.5293 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, 84) }
```

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

```
.border{ border-color:rgb(141, 255, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 84);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8228, 0.3288, 0.5293 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, 84) }
```

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

```
.background{ background-color: rgb(141,  
255, 84) }
```

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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