

Converting Colors

$Yxy(78.8240, 0.3462, 0.5451)$

Have a look what the booklet for
Yxy(78.8240, 0.3462, 0.5451)
contains.

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Color

Yxy(78.8269, 0.3462, 0.5451)

Conversions

Conversions Part 1

Format	Color
Hex	9CFF33
RGB	156, 255, 51
RGB Percent	61%, 100%, 20%
CMY	0.3884, 0.0000, 0.7996
CMYK	0.39, 0.00, 0.80, 0.00
HSL	89°, 100%, 60%
HSV	89°, 80%, 100%
XYZ	50.0640, 78.8269, 15.7191
YIQ	202.1430, 6.4800, -84.4320

Conversions

Conversions Part 2

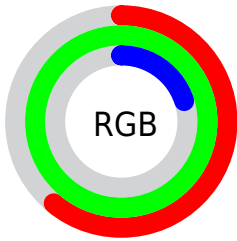
Format	Color
RYB	51, 255, 150
Decimal	10288947
CIELab	91.16, -58.08, 79.83
CIELCh	91, 98.725, 126.036
Yxy	78.8269, 0.3462, 0.5451
Android (android.graphics.Color)	4288479027 (0xFF9CFF33)
YUV	202.1430, -74.5135, -40.4674
Hunter-Lab	88.7845, -54.7200, 51.6520

Details

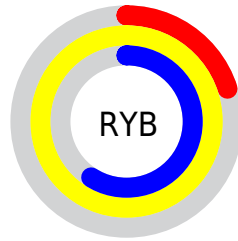
The Yxy color **78.8269, 0.3462, 0.5451** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **16.0940, 0.2212, 0.1118**, and the grayscale version is **59.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5095, 0.3656, 0.4742**, and **42.8211, 0.3336, 0.5733** is the 20% darker color. If you saturate the color by 10%, you get **77.4839, 0.3426, 0.5604**, and if you desaturate by 10%, it is **80.4132, 0.3476, 0.5243**.

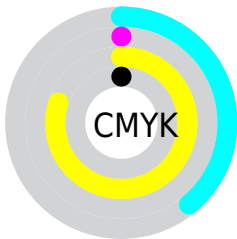
Distribution



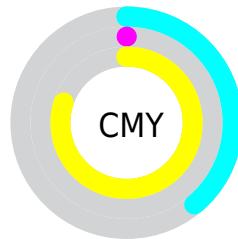
- Red (61%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (59%)



- Cyan (39%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8269, 0.3462, 0.5451 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 78.8269, 0.3462, 0.5451 by changing the saturation by 10% instead.

 78.8269, 0.3462,
0.5451


 78.8269, 0.3462,
0.5451

490.9706, 0.3406,
0.4432


 58.7535, 0.3444,
0.5671


 131.7151, 0.3467,
0.5104

 42.4147, 0.3405,
0.5930


 165.2988, 0.3462,
0.4967


 29.4262, 0.3332,
0.6234


 204.1546, 0.3454,
0.4847

 19.4034, 0.3203,
0.6598

 248.6670, 0.3445,
0.4743

 11.9622, 0.2979,
0.7021

 299.2204, 0.3435,
0.4651

 6.7179, 0.2572,
0.7428

356.1992, 0.3426,

 3.2863, 0.1974,

0.4569

0.8026

419.9878, 0.3416,
0.4497

■ 1.2830, 0.0000,
1.0000

■ 0.1280, 0.0000,
1.0000

■ 78.8269, 0.3462,
0.5451

■ 78.8269, 0.3462,
0.5451

■ 77.4839, 0.3426,
0.5604

■ 80.4132, 0.3476,
0.5243

■ 76.3607, 0.3373,
0.5704


■ 82.2729, 0.3466,
0.4989


■ 76.3565, 0.3372,
0.5704

■ 84.4212, 0.3437,
0.4706

■ 86.8744, 0.3390,
0.4407

 89.6473, 0.3332,
0.4107

 92.7535, 0.3266,
0.3816

 96.2057, 0.3197,
0.3542

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.



78.8269, 0.4439, 0.5000



78.8269, 0.3462, 0.5451



78.8269, 0.2454, 0.4956

Triad

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



78.8269, 0.3462, 0.5451



78.8269, 0.1362, 0.1882



78.8269, 0.4694, 0.2770

Complementary

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



78.8269, 0.3462, 0.5451



16.0940, 0.2212, 0.1118

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.



78.8269, 0.3540, 0.2181



78.8269, 0.3462, 0.5451



78.8269, 0.1714, 0.1687

Square

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



78.8269, 0.3462, 0.5451



78.8269, 0.1341, 0.2494



78.8269, 0.2441, 0.1800



78.8269, 0.5316, 0.3467

Rectangle

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



78.8269, 0.3462, 0.5451



78.8269, 0.1901, 0.4106



78.8269, 0.2441, 0.1800



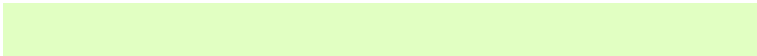
78.8269, 0.4340, 0.2557

Sweetspot

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



78.8240, 0.3462, 0.5451



91.4576, 0.3294, 0.3932



43.2020, 0.5037, 0.4130



19.3410, 0.3317, 0.4036



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.



78.8240, 0.3462, 0.5451



76.7845, 0.3395, 0.5668



72.5581, 0.3018, 0.5776



20.6274, 0.3194, 0.3530



39.9872, 0.3384, 0.5695



3.9585, 0.3469, 0.5628

Inverse Universe

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



16.0940, 0.2212, 0.1118



12.1168, 0.2019, 0.0898



30.2177, 0.3172, 0.1618



17.8107, 0.3055, 0.3050



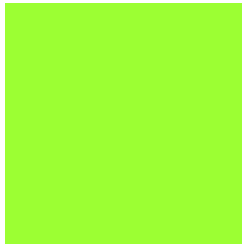
6.0943, 0.1993, 0.0872



0.6581, 0.2117, 0.0940

Previews

White Background



This preview shows how the Yxy color 78.8269, 0.3462, 0.5451 looks on a white background.

Color Contrast Check

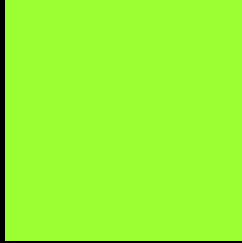
Large Text (above 18pt) WCAG AA × Fail

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 78.8269, 0.3462, 0.5451 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

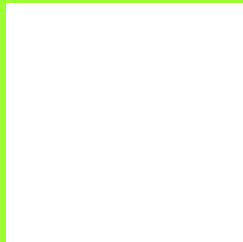
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8269, 0.3462, 0.5451

Background



This preview shows how black text looks on a background with the Yxy color 78.8269, 0.3462, 0.5451.



This preview shows how white text looks on a background with the Yxy color 78.8269, 0.3462, 0.5451.

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

78.8269, 0.3462, 0.5451

Protanopia

77.8631, 0.4226, 0.4656

Deuteranopia

77.3715, 0.3653, 0.3720



Tritanopia

78.2275, 0.2712, 0.3093

Trichromacy



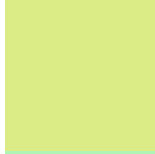
Original Color

78.8269, 0.3462, 0.5451



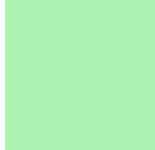
Protanomaly

76.6388, 0.3934, 0.4954



Deuteranomaly

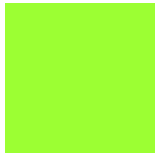
76.1980, 0.3647, 0.4396



Tritanomaly

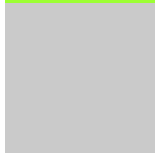
77.1515, 0.3055, 0.4038

Monochromacy



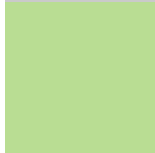
Original Color

78.8269, 0.3462, 0.5451



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

64.1338, 0.3352, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8269, 0.3462, 0.5451 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 78.8269, 0.3462, 0.5451 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, 51) }
```

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

```
.border{ border-color:rgb(156, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8269, 0.3462, 0.5451 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, 51) }
```

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

```
.background{ background-color: rgb(156,  
255, 51) }
```

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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