

Converting Colors

$Yxy(78.6939, 0.3479, 0.5502)$

Have a look what the booklet for
Yxy(78.6939, 0.3479, 0.5502)
contains.

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Color

Yxy(78.7411, 0.3482, 0.5500)

Conversions

Conversions Part 1

Format	Color
Hex	9CFF28
RGB	156, 255, 40
RGB Percent	61%, 100%, 16%
CMY	0.3883, 0.0000, 0.8433
CMYK	0.39, 0.00, 0.84, 0.00
HSL	88°, 100%, 58%
HSV	88°, 84%, 100%
XYZ	49.8503, 78.7411, 14.5743
YIQ	200.8890, 10.0110, -87.8530

Conversions

Conversions Part 2

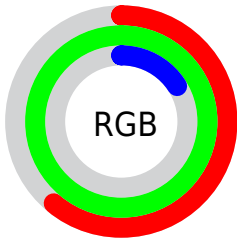
Format	Color
RYB	40, 255, 139
Decimal	10288936
CIELab	91.12, -58.49, 82.38
CIElCh	91, 101.029, 125.374
Yxy	78.7411, 0.3482, 0.5500
Android (android.graphics.Color)	4288479016 (0xFF9CFF28)
YUV	200.8890, -79.3183, -39.3677
Hunter-Lab	88.7362, -55.0105, 52.3774

Details

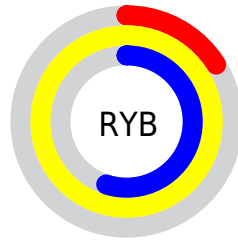
The Yxy color **78.7411, 0.3482, 0.5500** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **14.2224, 0.2112, 0.1020**, and the grayscale version is **58.8266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3544, 0.3687, 0.4801**, and **42.7679, 0.3329, 0.5739** is the 20% darker color. If you saturate the color by 10%, you get **77.5040, 0.3439, 0.5625**, and if you desaturate by 10%, it is **80.2017, 0.3503, 0.5319**.

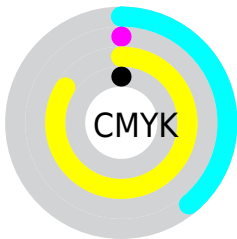
Distribution



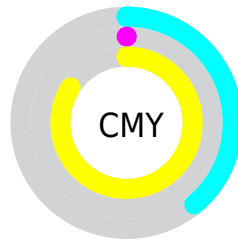
- Red (61%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (55%)



- Cyan (39%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7411, 0.3482, 0.5500 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 78.7411, 0.3482, 0.5500 by changing the saturation by 10% instead.


 78.7411, 0.3482,
0.5500

 78.7411, 0.3482,
0.5500


490.6801, 0.3425,
0.4463


 58.6830, 0.3462,
0.5721


 131.5943, 0.3488,
0.5149

 42.3580, 0.3420,
0.5980

 165.1582, 0.3483,
0.5009


 29.3817, 0.3341,
0.6282


 203.9928, 0.3475,
0.4887

 19.3698, 0.3211,
0.6651

 248.4825, 0.3465,
0.4781

 11.9378, 0.2964,
0.7036

 299.0116, 0.3455,
0.4687

 6.7013, 0.2554,
0.7446


355.9647, 0.3445,


 3.2760, 0.1951,


0.4603


0.8049

419.7260, 0.3435,
0.4529


 1.2775, 0.0000,
1.0000

 0.1237, 0.0000,
1.0000


 78.7411, 0.3482,
0.5500


 78.7411, 0.3482,
0.5500


 77.5040, 0.3439,
0.5625

 80.2017, 0.3503,
0.5319

 76.8876, 0.3408,
0.5676


 81.9141, 0.3500,
0.5088


 83.8952, 0.3475,
0.4820

 86.1615, 0.3431,
0.4530

 88.7278, 0.3373,
0.4233

 91.6077, 0.3306,
0.3939

 94.8139, 0.3234,
0.3659

 98.3583, 0.3159,
0.3397

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.



78.7411, 0.4475, 0.5010



78.7411, 0.3482, 0.5500



78.7411, 0.2456, 0.5026

Triad

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



78.7411, 0.3482, 0.5500



78.7411, 0.1329, 0.1863



78.7411, 0.4708, 0.2742

Complementary

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



78.7411, 0.3482, 0.5500



14.2224, 0.2112, 0.1020

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.



78.7411, 0.3519, 0.2149



78.7411, 0.3482, 0.5500



78.7411, 0.1677, 0.1660

Square

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



78.7411, 0.3482, 0.5500



78.7411, 0.1314, 0.2492



78.7411, 0.2405, 0.1769



78.7411, 0.5358, 0.3445

Rectangle

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



78.7411, 0.3482, 0.5500



78.7411, 0.1889, 0.4157



78.7411, 0.2405, 0.1769



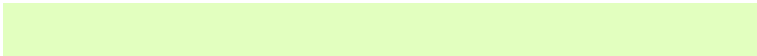
78.7411, 0.4341, 0.2527

Sweetspot

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



78.7392, 0.3482, 0.5500



91.4041, 0.3311, 0.3959



39.2276, 0.5227, 0.4058



19.3415, 0.3335, 0.4061



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.



78.7392, 0.3482, 0.5500



76.8876, 0.3408, 0.5676



72.3694, 0.3027, 0.5843



20.6508, 0.3198, 0.3530



40.2653, 0.3420, 0.5667



3.9855, 0.3502, 0.5601

Inverse Universe

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



14.2224, 0.2112, 0.1020



11.0310, 0.1929, 0.0837



28.0127, 0.3101, 0.1545



17.7875, 0.3051, 0.3049



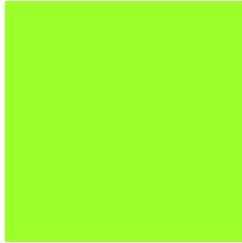
5.8504, 0.1946, 0.0846



0.6337, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 78.7411, 0.3482, 0.5500 looks on a white background.

Color Contrast Check

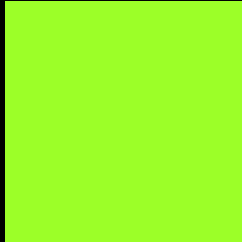
Large Text (above 18pt) WCAG AA × Fail

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 78.7411, 0.3482, 0.5500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

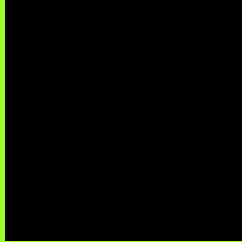
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

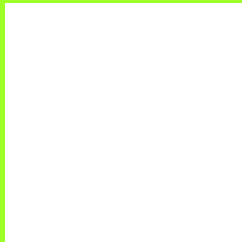
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7411, 0.3482, 0.5500

Background



This preview shows how black text looks on a background with the Yxy color 78.7411, 0.3482, 0.5500.



This preview shows how white text looks on a background with the Yxy color 78.7411, 0.3482, 0.5500.

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

78.7411, 0.3482, 0.5500

Protanopia

77.8344, 0.4234, 0.4668

Deuteranopia

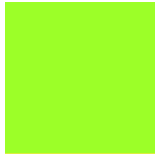
77.3715, 0.3653, 0.3720



Tritanopia

78.2275, 0.2712, 0.3093

Trichromacy



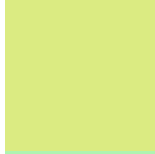
Original Color

78.7411, 0.3482, 0.5500



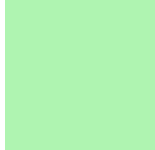
Protanomaly

76.5793, 0.3949, 0.4982



Deuteranomaly

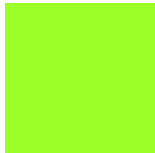
76.0884, 0.3670, 0.4436



Tritanomaly

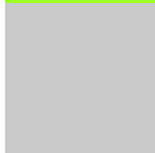
76.9897, 0.3077, 0.4087

Monochromacy



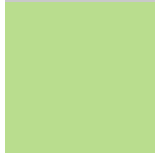
Original Color

78.7411, 0.3482, 0.5500



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.9802, 0.3383, 0.4266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7411, 0.3482, 0.5500 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 40) }
```

Border

The CSS property to change the border of an element to Yxy 78.7411, 0.3482, 0.5500 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, 40) }
```

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

```
.border{ border-color:rgb(156, 255, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 40);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7411, 0.3482, 0.5500 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, 40) }
```

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

```
.background{ background-color: rgb(156,  
255, 40) }
```

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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