

Converting Colors

$Yxy(78.7133, 0.3526, 0.5583)$

Have a look what the booklet for
Yxy(78.7133, 0.3526, 0.5583)
contains.

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Color

Yxy(78.6881, 0.3524, 0.5584)

Conversions

Conversions Part 1

Format	Color
Hex	9DFF00
RGB	157, 255, 0
RGB Percent	62%, 100%, 0%
CMY	0.3845, 0.0000, 1.0000
CMYK	0.38, 0.00, 1.00, 0.00
HSL	83°, 100%, 50%
HSV	83°, 100%, 100%
XYZ	49.6592, 78.6881, 12.5698
YIQ	196.6280, 23.4470, -100.0810

Conversions

Conversions Part 2

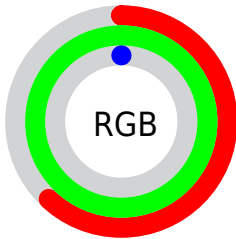
Format	Color
RYB	0, 255, 98
Decimal	10354432
CIELab	91.09, -58.90, 87.26
CIELCh	91, 105.278, 124.019
Yxy	78.6881, 0.3524, 0.5584
Android (android.graphics.Color)	4288544512 (0xFF9DFF00)
YUV	196.6280, -96.9376, -34.7538
Hunter-Lab	88.7063, -55.3090, 53.6929

Details

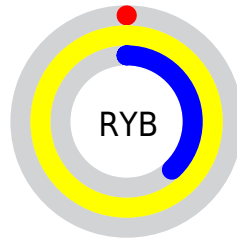
The Yxy color **78.6881, 0.3524, 0.5584** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **9.8187, 0.1801, 0.0766**, and the grayscale version is **56.1769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2336, 0.3750, 0.4905**, and **42.8211, 0.3336, 0.5733** is the 20% darker color. If you saturate the color by 10%, you get **78.6844, 0.3524, 0.5584**, and if you desaturate by 10%, it is **79.7825, 0.3569, 0.5494**.

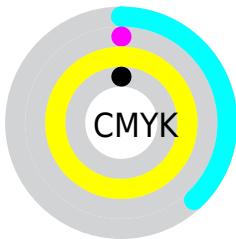
Distribution



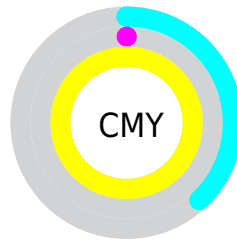
- Red (62%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (38%)



- Cyan (38%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6881, 0.3524, 0.5584 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 78.6881, 0.3524, 0.5584 by changing the saturation by 10% instead.


 78.6881, 0.3524,
0.5584


 78.6881, 0.3524,
0.5584


490.5006, 0.3462,
0.4518


 58.6394, 0.3501,
0.5806


 131.5197, 0.3532,
0.5227


 42.3229, 0.3453,
0.6062

 165.0713, 0.3526,
0.5084


 29.3542, 0.3364,
0.6355


 203.8928, 0.3518,
0.4959

 19.3489, 0.3237,
0.6743

 248.3684, 0.3507,
0.4849

 11.9227, 0.2949,
0.7051

 298.8826, 0.3496,
0.4751

 6.6911, 0.2537,
0.7463

 355.8198, 0.3485,

 3.2696, 0.1929,

0.4665

0.8071

419.5643, 0.3473,
0.4588

■ 1.2741, 0.0000,
1.0000

■ 0.1210, 0.0000,
1.0000

■ 78.6881, 0.3524,
0.5584

■ 78.6881, 0.3524,
0.5584

■ 78.6844, 0.3524,
0.5584

■ 79.7825, 0.3569,
0.5494

■ 81.0558, 0.3594,
0.5355

■ 82.5348, 0.3594,
0.5165

■ 84.2389, 0.3569,
0.4931

■ 86.1845, 0.3523,
0.4666

■ 88.3861, 0.3459,
0.4383

■ 90.8568, 0.3384,
0.4094

■ 93.6087, 0.3300,
0.3812

■ 96.6529, 0.3214,
0.3542

Harmonies

Analogous

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



78.6881, 0.4544, 0.5018



78.6881, 0.3524, 0.5584



78.6881, 0.2465, 0.5162

Triad

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



78.6881, 0.3524, 0.5584



78.6881, 0.1269, 0.1831



78.6881, 0.4724, 0.2687

Complementary

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



78.6881, 0.3524, 0.5584



9.8187, 0.1801, 0.0766

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.



78.6881, 0.3473, 0.2088



78.6881, 0.3524, 0.5584



78.6881, 0.1608, 0.1613

Square

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



78.6881, 0.3524, 0.5584



78.6881, 0.1266, 0.2497



78.6881, 0.2334, 0.1712



78.6881, 0.5432, 0.3399

Rectangle

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



78.6881, 0.3524, 0.5584



78.6881, 0.1873, 0.4264



78.6881, 0.2334, 0.1712



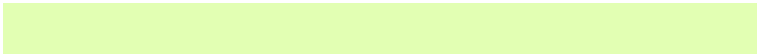
78.6881, 0.4334, 0.2469

Sweetspot

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



78.6844, 0.3524, 0.5584



90.8568, 0.3384, 0.4094



29.9487, 0.5777, 0.3795



19.2169, 0.3417, 0.4216



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.



78.6844, 0.3524, 0.5584



71.7923, 0.3023, 0.5981



20.7217, 0.3209, 0.3529



41.2029, 0.3534, 0.5576



4.0747, 0.3608, 0.5517

Inverse Universe

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



9.8187, 0.1801, 0.0766



23.2678, 0.2911, 0.1377



17.7181, 0.3039, 0.3049



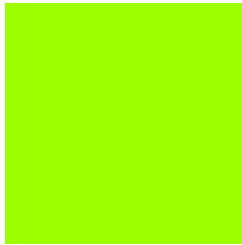
5.2098, 0.1818, 0.0775



0.5678, 0.1943, 0.0844

Previews

White Background



This preview shows how the Yxy color 78.6881, 0.3524, 0.5584 looks on a white background.

Color Contrast Check

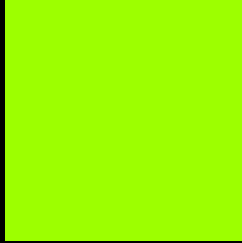
Large Text (above 18pt) WCAG AA × Fail

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 78.6881, 0.3524, 0.5584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

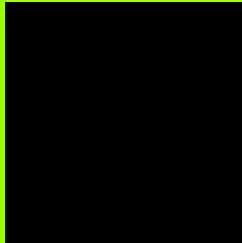
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

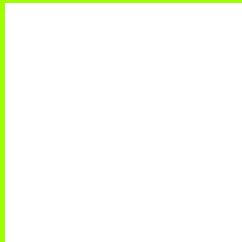
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6881, 0.3524, 0.5584

Background



This preview shows how black text looks on a background with the Yxy color 78.6881, 0.3524, 0.5584.

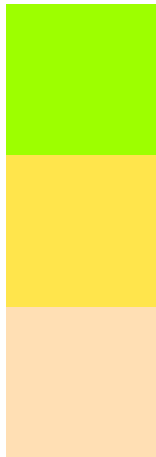


This preview shows how white text looks on a background with the Yxy color 78.6881, 0.3524, 0.5584.

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

78.6881, 0.3524, 0.5584

Protanopia

77.8204, 0.4237, 0.4673

Deuteranopia

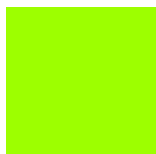
77.3306, 0.3660, 0.3730



Tritanopia

78.3532, 0.2717, 0.3093

Trichromacy



Original Color

78.6881, 0.3524, 0.5584



Protanomaly

76.4225, 0.3992, 0.5057



Deuteranomaly

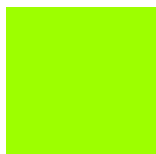
75.7145, 0.3752, 0.4581



Tritanomaly

76.5401, 0.3167, 0.4269

Monochromacy



Original Color

78.6881, 0.3524, 0.5584



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.5686, 0.3473, 0.4449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6881, 0.3524, 0.5584 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(157, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 0)  
}
```

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(157, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.6881, 0.3524, 0.5584 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(157, 255, 0) }
```

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

```
.border{ border-color:rgb(157, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 78.6881, 0.3524, 0.5584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 0) }
```

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

```
.background{ background-color: rgb(157,  
255, 0) }
```

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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