

# Converting Colors

Yxy(78.5060, 0.3513, 0.5593)

Have a look what the booklet for  
Yxy(78.5060, 0.3513, 0.5593)  
contains.

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**Color**

**Yxy(78.4886, 0.3512, 0.5594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFF00
RGB	155, 255, 0
RGB Percent	61%, 100%, 0%
CMY	0.3922, 0.0000, 1.0000
CMYK	0.39, 0.00, 1.00, 0.00
HSL	84°, 100%, 50%
HSV	84°, 100%, 100%
XYZ	49.2764, 78.4886, 12.5436
YIQ	196.0300, 22.2550, -100.5050

# Conversions

## Conversions Part 2

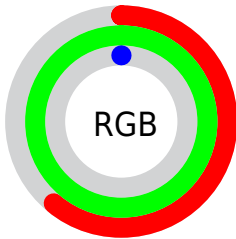
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 255, 100
Decimal	10223360
CIELab	91.00, -59.55, 87.17
CIELCh	91, 105.568, 124.337
Yxy	78.4886, 0.3512, 0.5594
Android (android.graphics.Color)	4288413440 (0xFF9BFF00)
YUV	196.0300, -96.6428, -35.9833
Hunter-Lab	88.5938, -55.7564, 53.6211

# Details

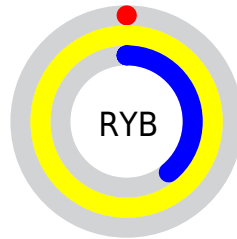
The Yxy color **78.4886, 0.3512, 0.5594** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **9.9293, 0.1813, 0.0773**, and the grayscale version is **55.8024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9271, 0.3736, 0.4914**, and **42.6635, 0.3316, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **78.4886, 0.3512, 0.5594**, and if you desaturate by 10%, it is **79.5918, 0.3557, 0.5502**.

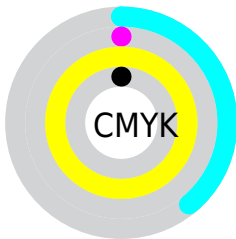
# Distribution



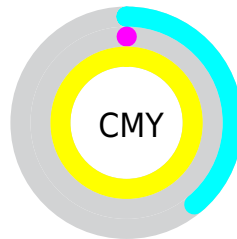
- Red (61%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (39%)



- Cyan (39%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4886, 0.3512, 0.5594 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 78.4886, 0.3512, 0.5594 by changing the saturation by 10% instead.




 78.4886, 0.3512,  
0.5594

 78.4886, 0.3512,  
0.5594

489.8246, 0.3456,  
0.4522


 58.4754, 0.3487,  
0.5817


 131.2387, 0.3522,  
0.5235

 42.1910, 0.3438,  
0.6076


 164.7444, 0.3517,  
0.5090


 29.2509, 0.3347,  
0.6372


 203.5163, 0.3509,  
0.4964

 19.2707, 0.3216,  
0.6765

 247.9390, 0.3499,  
0.4854

 11.8660, 0.2925,  
0.7075

 298.3968, 0.3489,  
0.4756

 6.6525, 0.2507,  
0.7493

 355.2741, 0.3478,

 3.2458, 0.1890,

0.4669

0.8110

418.9552, 0.3467,  
0.4592

■ 1.2613, 0.0000,  
1.0000

■ 78.4886, 0.3512,  
0.5594

■ 79.5918, 0.3557,  
0.5502

■ 80.8730, 0.3583,  
0.5363

■ 82.3631, 0.3584,  
0.5171

■ 84.0815, 0.3561,  
0.4936

■ 86.0446, 0.3516,  
0.4669

■ 88.2670, 0.3454,  
0.4385

■ 90.7621, 0.3380,  
0.4095

■ 93.5418, 0.3298,  
0.3812

■ 96.6176, 0.3213,  
0.3542

# Harmonies

## Analogous

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



78.4886, 0.4537, 0.5030



78.4886, 0.3512, 0.5594



78.4886, 0.2451, 0.5158

# Triad

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



78.4886, 0.3512, 0.5594



78.4886, 0.1266, 0.1823



78.4886, 0.4741, 0.2692

# Complementary

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



78.4886, 0.3512, 0.5594



9.9293, 0.1813, 0.0773

# 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.



78.4886, 0.3488, 0.2090



78.4886, 0.3512, 0.5594



78.4886, 0.1609, 0.1608

# Square

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



78.4886, 0.3512, 0.5594



78.4886, 0.1259, 0.2483



78.4886, 0.2341, 0.1711



78.4886, 0.5442, 0.3406



# Rectangle

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



78.4886, 0.3512, 0.5594



78.4886, 0.1861, 0.4251



78.4886, 0.2341, 0.1711



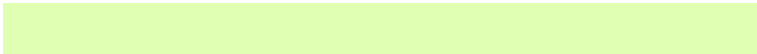
78.4886, 0.4351, 0.2473

# Sweetspot

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



78.4886, 0.3512, 0.5594



90.7621, 0.3380, 0.4095



29.9487, 0.5777, 0.3795



19.1944, 0.3412, 0.4217



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.



78.4886, 0.3512, 0.5594



71.7923, 0.3023, 0.5981



20.7145, 0.3208, 0.3529



41.1009, 0.3522, 0.5585



4.0651, 0.3597, 0.5526

# Inverse Universe

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



9.9293, 0.1813, 0.0773



23.2678, 0.2911, 0.1377



17.7251, 0.3040, 0.3049



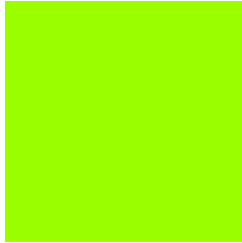
5.2684, 0.1830, 0.0782



0.5740, 0.1955, 0.0851

# Previews

## White Background



This preview shows how the Yxy color 78.4886, 0.3512, 0.5594 looks on a white background.

## Color Contrast Check

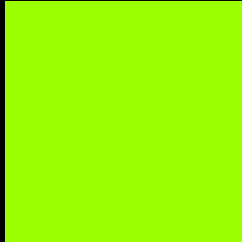
Large Text (above 18pt) WCAG AA × Fail

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 78.4886, 0.3512, 0.5594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

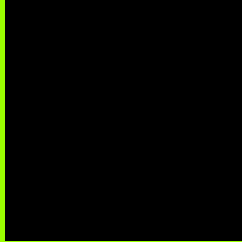
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

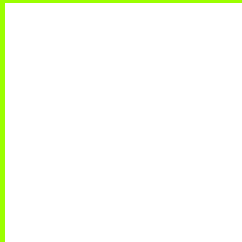
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.4886, 0.3512, 0.5594**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4886, 0.3512, 0.5594.



This preview shows how white text looks on a background with the Yxy color 78.4886, 0.3512, 0.5594.



# 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

78.4886, 0.3512, 0.5594

### Protanopia

77.2017, 0.4263, 0.4693

### Deuteranopia

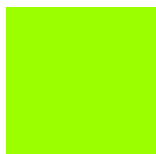
77.2900, 0.3667, 0.3741



## Tritanopia

78.1027, 0.2706, 0.3093

# Trichromacy



## Original Color

78.4886, 0.3512, 0.5594



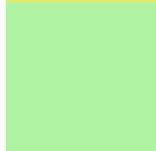
## Protanomaly

76.3986, 0.3998, 0.5069



## Deuteranomaly

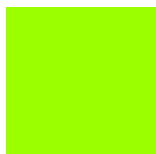
75.6916, 0.3757, 0.4590



## Tritanomaly

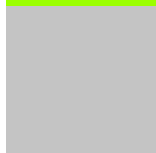
76.3087, 0.3154, 0.4273

# Monochromacy



## Original Color

78.4886, 0.3512, 0.5594



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.9301, 0.3468, 0.4442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4886, 0.3512, 0.5594 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(155, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4886, 0.3512, 0.5594 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(155, 255, 0) }
```

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

```
.border{ border-color:rgb(155, 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(155, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
0) }
```

# Background

The CSS property to change the background color of an element to Yxy 78.4886, 0.3512, 0.5594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 0) }
```

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

```
.background{ background-color: rgb(155,  
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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