

Converting Colors

$Yxy(76.9879, 0.3347, 0.5543)$

Have a look what the booklet for
Yxy(76.9879, 0.3347, 0.5543)
contains.

Yxy(76.9845, 0.3347, 0.5542)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.9845, 0.3347, 0.5542)

Conversions

Conversions Part 1

Format	Color
Hex	88FF32
RGB	136, 255, 50
RGB Percent	53%, 100%, 20%
CMY	0.4666, 0.0000, 0.8037
CMYK	0.47, 0.00, 0.80, 0.00
HSL	95°, 100%, 60%
HSV	95°, 80%, 100%
XYZ	46.4935, 76.9845, 15.4330
YIQ	196.0490, -5.1190, -88.9830

Conversions

Conversions Part 2

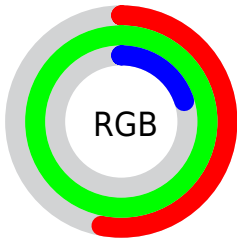
Format	Color
RYB	50, 255, 169
Decimal	8978226
CIELab	90.31, -64.29, 79.02
CIELCh	90, 101.871, 129.130
Yxy	76.9845, 0.3347, 0.5542
Android (android.graphics.Color)	4287168306 (0xFF88FF32)
YUV	196.0490, -72.0022, -52.6630
Hunter-Lab	87.7408, -58.9599, 50.9899

Details

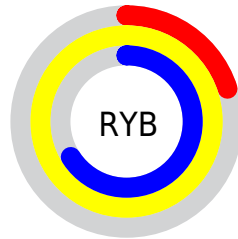
The Yxy color **76.9845, 0.3347, 0.5542** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.9461, 0.2376, 0.1199**, and the grayscale version is **55.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7407, 0.3531, 0.4819**, and **41.2346, 0.3190, 0.5849** is the 20% darker color. If you saturate the color by 10%, you get **75.6696, 0.3304, 0.5702**, and if you desaturate by 10%, it is **78.5991, 0.3371, 0.5322**.

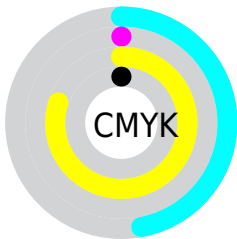
Distribution



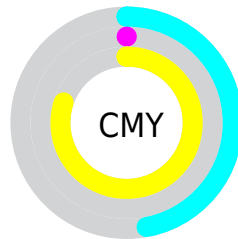
- Red (53%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (66%)



- Cyan (47%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9845, 0.3347, 0.5542 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 76.9845, 0.3347, 0.5542 by changing the saturation by 10% instead.


 76.9845, 0.3347,
0.5542


 76.9845, 0.3347,
0.5542


484.7112, 0.3347,
0.4464

 57.2402, 0.3315,
0.5779


 129.1176, 0.3372,
0.5172

 41.1981, 0.3260,
0.6059


 162.2751, 0.3374,
0.5026

 28.4739, 0.3164,
0.6392


 200.6725, 0.3373,
0.4899

 18.6832, 0.3008,
0.6796

 244.6942, 0.3369,
0.4789

 11.4416, 0.2741,
0.7259

 294.7245, 0.3365,
0.4693

 6.3647, 0.2285,
0.7715


351.1478, 0.3359,


 3.0681, 0.1562,


0.4607


0.8438


414.3486, 0.3353,
0.4532


 1.1674, 0.0000,
1.0000


 0.0348, 0.0000,
1.0000


 76.9845, 0.3347,
0.5542


 76.9845, 0.3347,
0.5542

 75.6696, 0.3304,
0.5702


 78.5991, 0.3371,
0.5322


 74.6435, 0.3250,
0.5801


 80.5286, 0.3374,
0.5054

 82.7972, 0.3359,
0.4755

 85.4237, 0.3329,
0.4443

 88.4255, 0.3287,
0.4132

 91.8185, 0.3237,
0.3833

 95.6178, 0.3184,
0.3554

99.8374, 0.3129,
0.3299

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.



76.9845, 0.4369, 0.5119



76.9845, 0.3347, 0.5542



76.9845, 0.2323, 0.4915

Triad

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



76.9845, 0.3347, 0.5542



76.9845, 0.1335, 0.1798



76.9845, 0.4857, 0.2818

Complementary

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



76.9845, 0.3347, 0.5542



17.9461, 0.2376, 0.1199

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.



76.9845, 0.3683, 0.2200



76.9845, 0.3347, 0.5542



76.9845, 0.1729, 0.1640

Square

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



76.9845, 0.3347, 0.5542



76.9845, 0.1276, 0.2369



76.9845, 0.2516, 0.1786



76.9845, 0.5413, 0.3534

Rectangle

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



76.9845, 0.3347, 0.5542



76.9845, 0.1782, 0.3986



76.9845, 0.2516, 0.1786



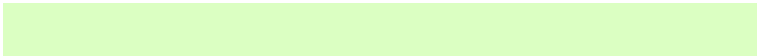
76.9845, 0.4505, 0.2596

Sweetspot

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



76.9875, 0.3347, 0.5542



90.5393, 0.3256, 0.3940



48.8344, 0.4874, 0.4289



19.1217, 0.3274, 0.4046



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.



76.9875, 0.3347, 0.5542



75.0454, 0.3273, 0.5764



72.5669, 0.2983, 0.5697



20.5404, 0.3179, 0.3531



39.0859, 0.3262, 0.5792



3.8682, 0.3350, 0.5722

Inverse Universe

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



17.9461, 0.2376, 0.1199



14.1473, 0.2210, 0.1003



29.9180, 0.3343, 0.1715



17.8986, 0.3070, 0.3051



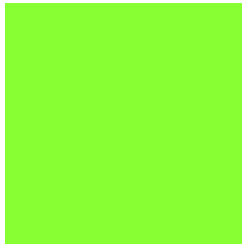
7.1539, 0.2187, 0.0978



0.7608, 0.2299, 0.1040

Previews

White Background



This preview shows how the Yxy color 76.9845, 0.3347, 0.5542 looks on a white background.

Color Contrast Check

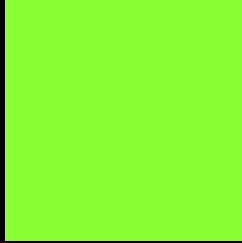
Large Text (above 18pt) WCAG AA × Fail

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 76.9845, 0.3347, 0.5542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

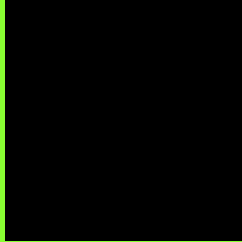
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

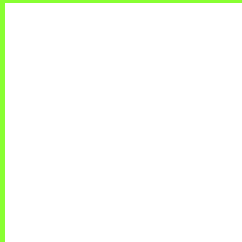
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9845, 0.3347, 0.5542

Background



This preview shows how black text looks on a background with the Yxy color 76.9845, 0.3347, 0.5542.



This preview shows how white text looks on a background with the Yxy color 76.9845, 0.3347, 0.5542.

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

76.9845, 0.3347, 0.5542

Protanopia

75.6380, 0.4352, 0.4805

Deuteranopia

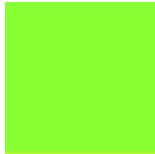
75.4635, 0.3718, 0.3773



Tritanopia

76.4463, 0.2631, 0.3089

Trichromacy



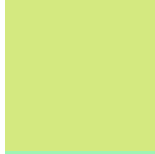
Original Color

76.9845, 0.3347, 0.5542



Protanomaly

74.6145, 0.3943, 0.5103



Deuteranomaly

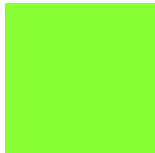
73.8334, 0.3636, 0.4461



Tritanomaly

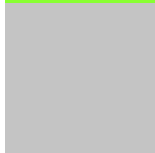
75.2658, 0.2960, 0.4073

Monochromacy



Original Color

76.9845, 0.3347, 0.5542



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.6075, 0.3302, 0.4237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9845, 0.3347, 0.5542 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(136, 255, 50)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 50)  
}
```

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(136, 255, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 50) }
```

Border

The CSS property to change the border of an element to Yxy 76.9845, 0.3347, 0.5542 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(136, 255, 50) }
```

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

```
.border{ border-color:rgb(136, 255, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 50);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9845, 0.3347, 0.5542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 50) }
```

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

```
.background{ background-color: rgb(136,  
255, 50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor