

Converting Colors

$Y_{xy}(77.0223, 0.3337, 0.5517)$

Have a look what the booklet for
Yxy(77.0223, 0.3337, 0.5517)
contains.

Yxy(77.0301, 0.3337, 0.5516)	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(77.0301, 0.3337, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	88FF37
RGB	136, 255, 55
RGB Percent	53%, 100%, 22%
CMY	0.4667, 0.0000, 0.7846
CMYK	0.47, 0.00, 0.78, 0.00
HSL	96°, 100%, 61%
HSV	96°, 78%, 100%
XYZ	46.6007, 77.0301, 16.0177
YIQ	196.6190, -6.7240, -87.4280

Conversions

Conversions Part 2

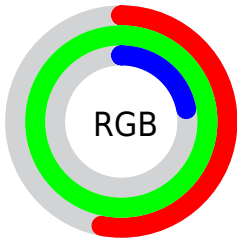
Format	Color
RYB	55, 255, 174
Decimal	8978231
CIELab	90.34, -64.08, 77.76
CIELCh	90, 100.759, 129.491
Yxy	77.0301, 0.3337, 0.5516
Android (android.graphics.Color)	4287168311 (0xFF88FF37)
YUV	196.6190, -69.8182, -53.1629
Hunter-Lab	87.7668, -58.8154, 50.6162

Details

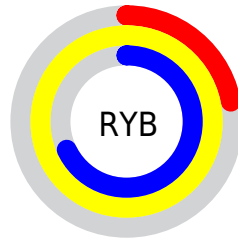
The Yxy color **77.0301, 0.3337, 0.5516** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **18.9389, 0.2423, 0.1245**, and the grayscale version is **56.0189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6747, 0.3511, 0.4795**, and **41.2721, 0.3196, 0.5845** is the 20% darker color. If you saturate the color by 10%, you get **75.6631, 0.3297, 0.5689**, and if you desaturate by 10%, it is **78.7004, 0.3358, 0.5284**.

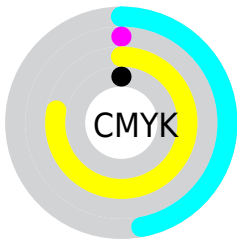
Distribution



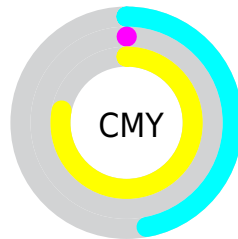
- Red (53%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (68%)



- Cyan (47%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0301, 0.3337, 0.5516 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 77.0301, 0.3337, 0.5516 by changing the saturation by 10% instead.


 77.0301, 0.3337,
0.5516


 77.0301, 0.3337,
0.5516


484.8666, 0.3338,
0.4448


 57.2776, 0.3306,
0.5752

 129.1820, 0.3361,
0.5148


 41.2281, 0.3252,
0.6032


 162.3501, 0.3364,
0.5004


 28.4974, 0.3159,
0.6366


 200.7589, 0.3363,
0.4879

 18.7009, 0.3004,
0.6767

 244.7928, 0.3359,
0.4770

 11.4544, 0.2749,
0.7251

 294.8361, 0.3355,
0.4674

 6.3733, 0.2294,
0.7706

351.2732, 0.3350,

 3.0734, 0.1577,

0.4590

0.8423

414.4886, 0.3344,
0.4515

■ 1.1702, 0.0000,
1.0000

■ 0.0371, 0.0000,
1.0000

■ 77.0301, 0.3337,
0.5516

■ 77.0301, 0.3337,
0.5516

■ 75.6631, 0.3297,
0.5689

■ 78.7004, 0.3358,
0.5284

■ 74.5717, 0.3242,
0.5800

■ 80.7020, 0.3359,
0.5006

■ 74.4221, 0.3234,
0.5814

■ 83.0547, 0.3343,
0.4701

■ 85.7777, 0.3312,
0.4386

■ 88.8883, 0.3271,
0.4075

■ 92.4027, 0.3223,
0.3779

■ 96.3363, 0.3172,
0.3504

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.



77.0301, 0.4351, 0.5114



77.0301, 0.3337, 0.5516



77.0301, 0.2323, 0.4880

Triad

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



77.0301, 0.3337, 0.5516



77.0301, 0.1351, 0.1808



77.0301, 0.4849, 0.2832

Complementary

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



77.0301, 0.3337, 0.5516



18.9389, 0.2423, 0.1245

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.



77.0301, 0.3693, 0.2216



77.0301, 0.3337, 0.5516



77.0301, 0.1748, 0.1653

Square

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



77.0301, 0.3337, 0.5516



77.0301, 0.1289, 0.2370



77.0301, 0.2535, 0.1801



77.0301, 0.5392, 0.3545

Rectangle

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



77.0301, 0.3337, 0.5516



77.0301, 0.1788, 0.3961



77.0301, 0.2535, 0.1801



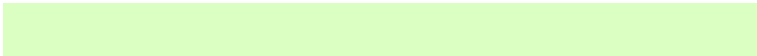
77.0301, 0.4504, 0.2611

Sweetspot

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



77.0288, 0.3337, 0.5516



90.4034, 0.3250, 0.3941



50.9038, 0.4799, 0.4315



19.0893, 0.3267, 0.4048



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.



77.0288, 0.3337, 0.5516



75.0273, 0.3268, 0.5758



72.7933, 0.2975, 0.5627



20.5273, 0.3177, 0.3531



38.9687, 0.3245, 0.5805



3.8560, 0.3333, 0.5735

Inverse Universe

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



18.9389, 0.2423, 0.1245



14.8278, 0.2261, 0.1038



30.1788, 0.3374, 0.1753



17.9119, 0.3073, 0.3051



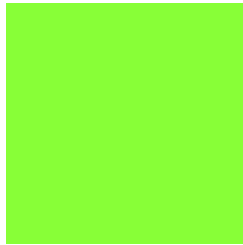
7.3343, 0.2218, 0.0996



0.7779, 0.2328, 0.1056

Previews

White Background



This preview shows how the Yxy color 77.0301, 0.3337, 0.5516 looks on a white background.

Color Contrast Check

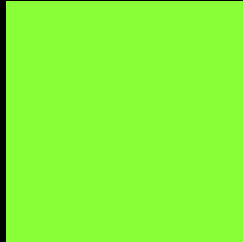
Large Text (above 18pt) WCAG AA × Fail

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 77.0301, 0.3337, 0.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

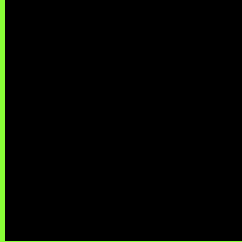
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

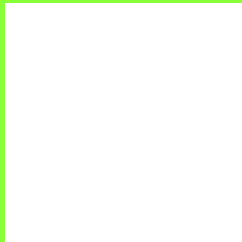
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0301, 0.3337, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 77.0301, 0.3337, 0.5516.

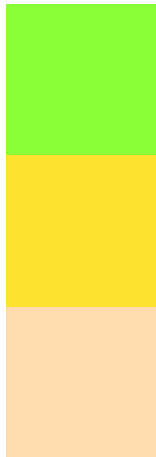


This preview shows how white text looks on a background with the Yxy color 77.0301, 0.3337, 0.5516.

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

77.0301, 0.3337, 0.5516

Protanopia

75.6769, 0.4340, 0.4788

Deuteranopia

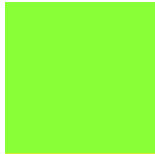
75.4635, 0.3718, 0.3773



Tritanopia

76.4463, 0.2631, 0.3089

Trichromacy



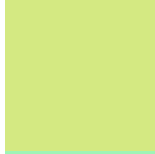
Original Color

77.0301, 0.3337, 0.5516



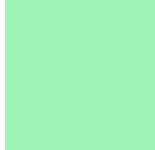
Protanomaly

74.6563, 0.3931, 0.5082



Deuteranomaly

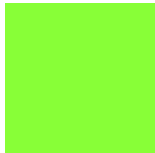
73.8866, 0.3625, 0.4440



Tritanomaly

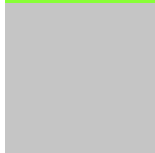
75.3479, 0.2949, 0.4048

Monochromacy



Original Color

77.0301, 0.3337, 0.5516



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.3011, 0.3295, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0301, 0.3337, 0.5516 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 55) }
```

Border

The CSS property to change the border of an element to Yxy 77.0301, 0.3337, 0.5516 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, 55) }
```

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

```
.border{ border-color:rgb(136, 255, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0301, 0.3337, 0.5516 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, 55) }
```

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

```
.background{ background-color: rgb(136,  
255, 55) }
```

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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