

Converting Colors

$Y_{xy}(100.0000, 0.3173, 0.5486)$

Have a look what the booklet for
Yxy(100.0000, 0.3173, 0.5486)
contains.

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Color

Yxy(76.7337, 0.3221, 0.5347)

Conversions

Conversions Part 1

Format	Color
Hex	80FF53
RGB	128, 255, 83
RGB Percent	50%, 100%, 33%
CMY	0.4980, 0.0000, 0.6746
CMYK	0.50, 0.00, 0.67, 0.00
HSL	104°, 100%, 66%
HSV	104°, 67%, 100%
XYZ	46.2239, 76.7337, 20.5503
YIQ	197.4190, -20.4800, -80.4160

Conversions

Conversions Part 2

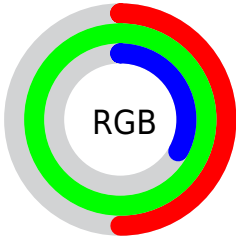
Format	Color
RYB	83, 255, 210
Decimal	8453971
CIELab	90.20, -64.55, 68.38
CIELCh	90, 94.037, 133.352
Yxy	76.7337, 0.3221, 0.5347
Android (android.graphics.Color)	4286644051 (0xFF80FF53)
YUV	197.4190, -56.4086, -60.8805
Hunter-Lab	87.5978, -59.1046, 47.4091

Details

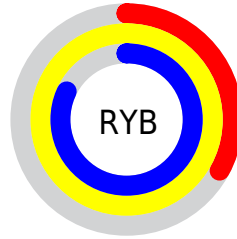
The Yxy color **76.7337, 0.3221, 0.5347** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.0956, 0.2772, 0.1574**, and the grayscale version is **56.4590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2323, 0.3350, 0.4589**, and **40.9465, 0.3138, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **75.0836, 0.3195, 0.5599**, and if you desaturate by 10%, it is **78.8007, 0.3234, 0.5046**.

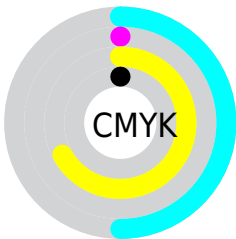
Distribution



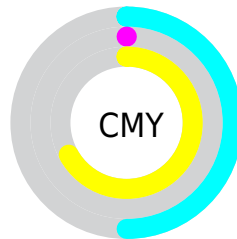
- Red (50%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7337, 0.3221, 0.5347 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 76.7337, 0.3221, 0.5347 by changing the saturation by 10% instead.

 76.7337, 0.3221,
0.5347

 76.7337, 0.3221,
0.5347

483.8556, 0.3254,
0.4344


 57.0343, 0.3190,
0.5577


 128.7635, 0.3250,
0.4996


 41.0328, 0.3140,
0.5857


 161.8627, 0.3256,
0.4859

 28.3447, 0.3056,
0.6200


 200.1974, 0.3259,
0.4742

 18.5857, 0.2915,
0.6620

 244.1518, 0.3260,
0.4641

 11.3713, 0.2717,
0.7242

294.1105, 0.3260,
0.4553

 6.3171, 0.2268,
0.7732


350.4577, 0.3258,


 3.0389, 0.1531,

0.4475


0.8469


413.5780, 0.3256,
0.4406


 1.1521, 0.0000,
1.0000


 0.0220, 0.0000,
1.0000


 76.7337, 0.3221,
0.5347


 76.7337, 0.3221,
0.5347


 75.0836, 0.3195,
0.5599

 78.8007, 0.3234,
0.5046


 73.8164, 0.3157,
0.5786

 81.3106, 0.3233,
0.4718


 72.8946, 0.3111,
0.5900

 84.2895, 0.3222,
0.4384

 72.7054, 0.3099,
0.5921

 87.7608, 0.3203,
0.4060

 91.7462, 0.3178,
0.3756

 96.2661, 0.3149,
0.3479

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.



76.7337, 0.4196, 0.5108



76.7337, 0.3221, 0.5347



76.7337, 0.2272, 0.4613

Triad

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



76.7337, 0.3221, 0.5347



76.7337, 0.1465, 0.1849



76.7337, 0.4847, 0.2952

Complementary

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



76.7337, 0.3221, 0.5347



27.0956, 0.2772, 0.1574

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.



76.7337, 0.3813, 0.2340



76.7337, 0.3221, 0.5347



76.7337, 0.1895, 0.1735

Square

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



76.7337, 0.3221, 0.5347



76.7337, 0.1367, 0.2337



76.7337, 0.2698, 0.1911



76.7337, 0.5270, 0.3651

Rectangle

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



76.7337, 0.3221, 0.5347



76.7337, 0.1790, 0.3749



76.7337, 0.2698, 0.1911



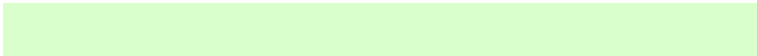
76.7337, 0.4548, 0.2734

Sweetspot

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



76.7344, 0.3221, 0.5347



90.6858, 0.3184, 0.3831



67.5459, 0.4348, 0.4475



19.1674, 0.3191, 0.3916



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.



76.7344, 0.3221, 0.5347



74.5935, 0.3183, 0.5674



74.7902, 0.2886, 0.5031



20.3981, 0.3155, 0.3533



38.0509, 0.3109, 0.5913



3.7550, 0.3187, 0.5852

Inverse Universe

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



27.0956, 0.2772, 0.1574



21.7761, 0.2674, 0.1348



32.3403, 0.3618, 0.2068



18.0470, 0.3096, 0.3053



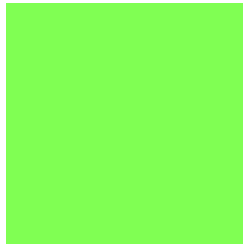
9.4501, 0.2553, 0.1180



0.9730, 0.2631, 0.1223

Previews

White Background



This preview shows how the Yxy color 76.7337, 0.3221, 0.5347 looks on a white background.

Color Contrast Check

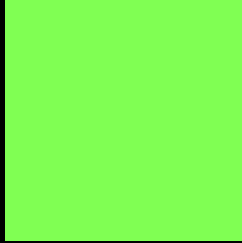
Large Text (above 18pt) WCAG AA × Fail

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 76.7337, 0.3221, 0.5347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

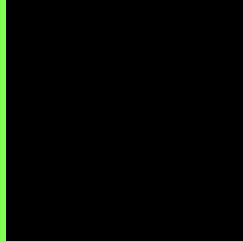
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

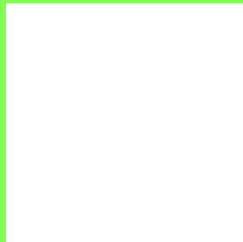
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7337, 0.3221, 0.5347

Background



This preview shows how black text looks on a background with the Yxy color 76.7337, 0.3221, 0.5347.

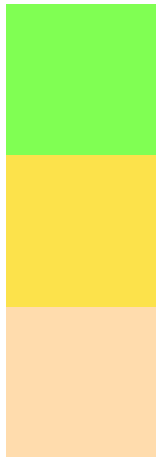


This preview shows how white text looks on a background with the Yxy color 76.7337, 0.3221, 0.5347.

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

76.7337, 0.3221, 0.5347

Protanopia

75.5962, 0.4239, 0.4671

Deuteranopia

75.4635, 0.3718, 0.3773



Tritanopia

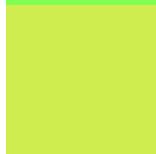
76.0039, 0.2611, 0.3088

Trichromacy



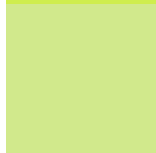
Original Color

76.7337, 0.3221, 0.5347



Protanomaly

74.3838, 0.3818, 0.4949



Deuteranomaly

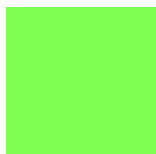
73.7266, 0.3544, 0.4343



Tritanomaly

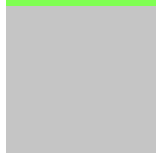
75.2794, 0.2868, 0.3925

Monochromacy



Original Color

76.7337, 0.3221, 0.5347



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.3138, 0.3202, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7337, 0.3221, 0.5347 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(128, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 83)  
}
```

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(128, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 76.7337, 0.3221, 0.5347 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(128, 255, 83) }
```

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

```
.border{ border-color:rgb(128, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7337, 0.3221, 0.5347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 83) }
```

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

```
.background{ background-color: rgb(128,  
255, 83) }
```

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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