

Converting Colors

$Yxy(76.3034, 0.3239, 0.5537)$

Have a look what the booklet for
Yxy(76.3034, 0.3239, 0.5537)
contains.

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Color

Yxy(75.8609, 0.3237, 0.5533)

Conversions

Conversions Part 1

Format	Color
Hex	78FF3E
RGB	120, 255, 62
RGB Percent	47%, 100%, 24%
CMY	0.5292, 0.0000, 0.7567
CMYK	0.53, 0.00, 0.76, 0.00
HSL	102°, 100%, 62%
HSV	102°, 76%, 100%
XYZ	44.3813, 75.8609, 16.8641
YIQ	192.6330, -18.5070, -88.6430

Conversions

Conversions Part 2

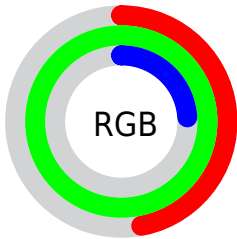
Format	Color
RYB	62, 255, 197
Decimal	7929662
CIELab	89.79, -68.11, 75.00
CIELCh	90, 101.309, 132.244
Yxy	75.8609, 0.3237, 0.5533
Android (android.graphics.Color)	4286119742 (0xFF78FF3E)
YUV	192.6330, -64.4021, -63.6991
Hunter-Lab	87.0982, -61.4662, 49.4889

Details

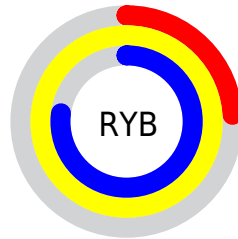
The Yxy color **75.8609, 0.3237, 0.5533** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **22.5353, 0.2641, 0.1391**, and the grayscale version is **53.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9924, 0.3396, 0.4794**, and **40.5368, 0.3091, 0.5928** is the 20% darker color. If you saturate the color by 10%, you get **74.4875, 0.3200, 0.5731**, and if you desaturate by 10%, it is **77.6095, 0.3259, 0.5274**.

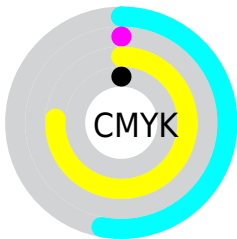
Distribution



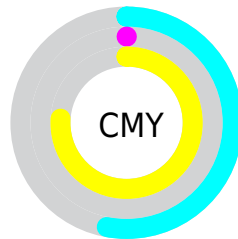
- Red (47%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (77%)



- Cyan (53%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8609, 0.3237, 0.5533 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 75.8609, 0.3237, 0.5533 by changing the saturation by 10% instead.


 75.8609, 0.3237,
0.5533


 75.8609, 0.3237,
0.5533


480.8714, 0.3281,
0.4443


 56.3185, 0.3198,
0.5778

 127.5303, 0.3275,
0.5154


 40.4583, 0.3134,
0.6073


 160.4260, 0.3283,
0.5006


 27.8961, 0.3030,
0.6428


 198.5415, 0.3287,
0.4878

 18.2473, 0.2859,
0.6856

 242.2614, 0.3288,
0.4768

 11.1277, 0.2593,
0.7407

 291.9699, 0.3288,
0.4671

 6.1528, 0.2108,
0.7892


348.0515, 0.3286,

 2.9382, 0.1251,


0.4586

0.8749

410.8905, 0.3284,
0.4510


 1.0996, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.8609, 0.3237,
0.5533


 75.8609, 0.3237,
0.5533


 74.4875, 0.3200,
0.5731

 77.6095, 0.3259,
0.5274


 73.4461, 0.3152,
0.5858


 79.7519, 0.3266,
0.4972

 73.0834, 0.3130,
0.5897

 82.3166, 0.3259,
0.4647

 85.3266, 0.3241,
0.4318

 88.8030, 0.3215,
0.4000

 92.7655, 0.3183,
0.3703

 97.2327, 0.3148,
0.3432

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



75.8609, 0.4269, 0.5191



75.8609, 0.3237, 0.5533



75.8609, 0.2229, 0.4785

Triad

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



75.8609, 0.3237, 0.5533



75.8609, 0.1360, 0.1766



75.8609, 0.4951, 0.2889

Complementary

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



75.8609, 0.3237, 0.5533



22.5353, 0.2641, 0.1391

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.



75.8609, 0.3815, 0.2257



75.8609, 0.3237, 0.5533



75.8609, 0.1792, 0.1642

Square

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



75.8609, 0.3237, 0.5533



75.8609, 0.1267, 0.2286



75.8609, 0.2622, 0.1817



75.8609, 0.5421, 0.3612

Rectangle

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



75.8609, 0.3237, 0.5533



75.8609, 0.1716, 0.3833



75.8609, 0.2622, 0.1817



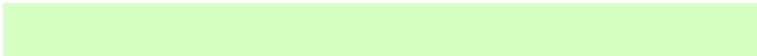
75.8609, 0.4620, 0.2664

Sweetspot

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



75.8641, 0.3237, 0.5533



89.8155, 0.3206, 0.3919



60.1433, 0.4565, 0.4473



18.9336, 0.3217, 0.4029



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.



75.8641, 0.3237, 0.5533



73.8945, 0.3175, 0.5808



73.4149, 0.2918, 0.5366



20.4328, 0.3161, 0.3533



38.2556, 0.3140, 0.5889



3.7788, 0.3223, 0.5823

Inverse Universe

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



22.5353, 0.2641, 0.1391



18.1730, 0.2516, 0.1190



29.8555, 0.3580, 0.1914



18.0102, 0.3090, 0.3052



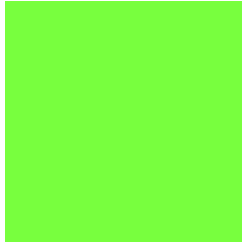
8.8198, 0.2459, 0.1128



0.9158, 0.2547, 0.1177

Previews

White Background



This preview shows how the Yxy color 75.8609, 0.3237, 0.5533 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 75.8609, 0.3237, 0.5533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

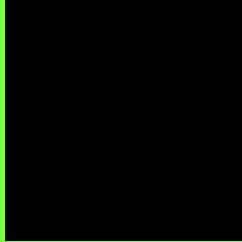
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

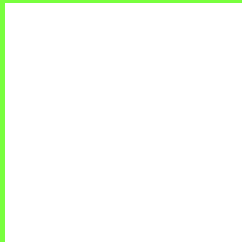
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8609, 0.3237, 0.5533

Background



This preview shows how black text looks on a background with the Yxy color 75.8609, 0.3237, 0.5533.

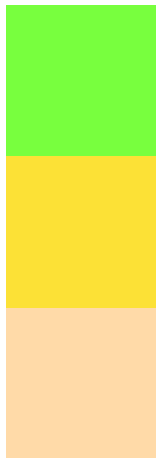


This preview shows how white text looks on a background with the Yxy color 75.8609, 0.3237, 0.5533.

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

75.8609, 0.3237, 0.5533

Protanopia

74.8122, 0.4317, 0.4768

Deuteranopia

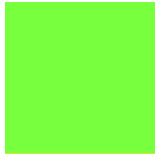
74.2300, 0.3761, 0.3804



Tritanopia

75.2620, 0.2576, 0.3086

Trichromacy



Original Color

75.8609, 0.3237, 0.5533



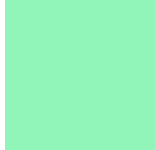
Protanomaly

73.1237, 0.3869, 0.5085



Deuteranomaly

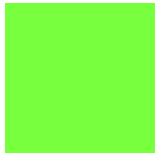
71.8586, 0.3592, 0.4451



Tritanomaly

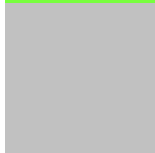
74.2239, 0.2862, 0.4024

Monochromacy



Original Color

75.8609, 0.3237, 0.5533



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2631, 0.3231, 0.4218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8609, 0.3237, 0.5533 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(120, 255, 62)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 62)  
}
```

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(120, 255, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 62) }
```

Border

The CSS property to change the border of an element to Yxy 75.8609, 0.3237, 0.5533 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(120, 255, 62) }
```

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

```
.border{ border-color:rgb(120, 255, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 62);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8609, 0.3237, 0.5533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 62) }
```

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

```
.background{ background-color: rgb(120,  
255, 62) }
```

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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