

Converting Colors

$Y_{xy}(75.4238, 0.3166, 0.5475)$

Have a look what the booklet for
Yxy(75.4238, 0.3166, 0.5475)
contains.

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Color

Yxy(75.4592, 0.3168, 0.5473)

Conversions

Conversions Part 1

Format	Color
Hex	70FF4A
RGB	112, 255, 74
RGB Percent	44%, 100%, 29%
CMY	0.5607, 0.0000, 0.7099
CMYK	0.56, 0.00, 0.71, 0.00
HSL	107°, 100%, 65%
HSV	107°, 71%, 100%
XYZ	43.6789, 75.4592, 18.7373
YIQ	191.6090, -27.1270, -86.6070

Conversions

Conversions Part 2

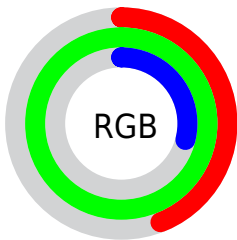
Format	Color
RYB	74, 255, 217
Decimal	7405386
CIELab	89.61, -69.36, 70.84
CIELCh	90, 99.139, 134.396
Yxy	75.4592, 0.3168, 0.5473
Android (android.graphics.Color)	4285595466 (0xFF70FF4A)
YUV	191.6090, -57.9812, -69.8171
Hunter-Lab	86.8673, -62.2636, 48.0182

Details

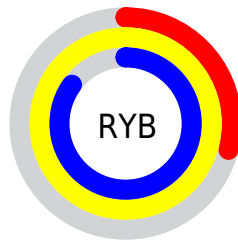
The Yxy color **75.4592, 0.3168, 0.5473** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **26.8619, 0.2836, 0.1551**, and the grayscale version is **52.8299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2999, 0.3300, 0.4714**, and **40.2396, 0.3047, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **74.0062, 0.3138, 0.5706**, and if you desaturate by 10%, it is **77.3484, 0.3187, 0.5182**.

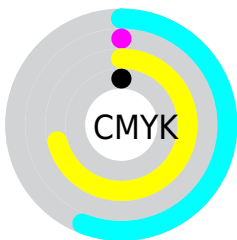
Distribution



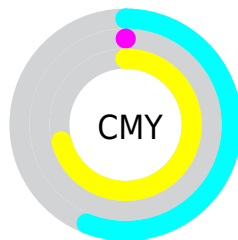
- Red (44%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (85%)



- Cyan (56%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4592, 0.3168, 0.5473 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 75.4592, 0.3168, 0.5473 by changing the saturation by 10% instead.


 75.4592, 0.3168,
0.5473


 75.4592, 0.3168,
0.5473

479.4944, 0.3234,
0.4403

 55.9892, 0.3127,
0.5718


 126.9622, 0.3211,
0.5098


 40.1942, 0.3062,
0.6017


 159.7639, 0.3222,
0.4952


 27.6900, 0.2958,
0.6381


 197.7783, 0.3229,
0.4827

 18.0921, 0.2788,
0.6824

 241.3898, 0.3233,
0.4719

 11.0161, 0.2543,
0.7457

 290.9827, 0.3235,
0.4625

 6.0777, 0.2049,
0.7951


346.9416, 0.3235,

 2.8924, 0.1134,


0.4542


0.8866


409.6507, 0.3235,
0.4468


 1.0758, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.4592, 0.3168,
0.5473


 75.4592, 0.3168,
0.5473


 74.0062, 0.3138,
0.5706


 77.3484, 0.3187,
0.5182

 72.9492, 0.3101,
0.5865

 79.7046, 0.3196,
0.4855


 72.2926, 0.3066,
0.5948


 82.5584, 0.3194,
0.4514

 85.9368, 0.3185,
0.4179

 89.8651, 0.3169,
0.3863

 94.3667, 0.3150,
0.3574

 99.4637, 0.3129,
0.3314

 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.



75.4592, 0.4191, 0.5210



75.4592, 0.3168, 0.5473



75.4592, 0.2186, 0.4660

Triad

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



75.4592, 0.3168, 0.5473



75.4592, 0.1404, 0.1770



75.4592, 0.4976, 0.2948

Complementary

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



75.4592, 0.3168, 0.5473



26.8619, 0.2836, 0.1551

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.



75.4592, 0.3892, 0.2313



75.4592, 0.3168, 0.5473



75.4592, 0.1858, 0.1669

Square

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



75.4592, 0.3168, 0.5473



75.4592, 0.1289, 0.2253



75.4592, 0.2707, 0.1861



75.4592, 0.5383, 0.3669

Rectangle

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



75.4592, 0.3168, 0.5473



75.4592, 0.1697, 0.3722



75.4592, 0.2707, 0.1861



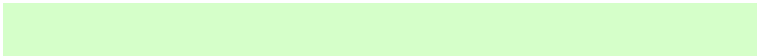
75.4592, 0.4667, 0.2723

Sweetspot

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



75.4599, 0.3168, 0.5473



89.8597, 0.3169, 0.3864



70.7530, 0.4340, 0.4585



18.9895, 0.3174, 0.3949



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.



75.4599, 0.3168, 0.5473



73.5367, 0.3124, 0.5779



74.4627, 0.2851, 0.5018



20.3520, 0.3147, 0.3533



37.8255, 0.3074, 0.5942



3.7272, 0.3144, 0.5886

Inverse Universe

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



26.8619, 0.2836, 0.1551



22.2447, 0.2756, 0.1357



30.5010, 0.3762, 0.2103



18.0964, 0.3104, 0.3053



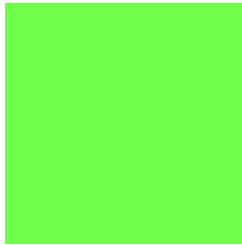
10.3584, 0.2681, 0.1251



1.0545, 0.2744, 0.1285

Previews

White Background



This preview shows how the Yxy color 75.4592, 0.3168, 0.5473 looks on a white background.

Color Contrast Check

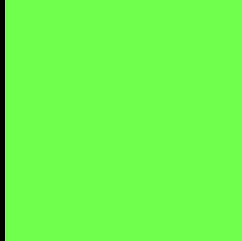
Large Text (above 18pt) WCAG AA × Fail

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 75.4592, 0.3168, 0.5473 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

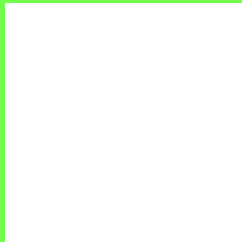
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4592, 0.3168, 0.5473

Background



This preview shows how black text looks on a background with the Yxy color 75.4592, 0.3168, 0.5473.

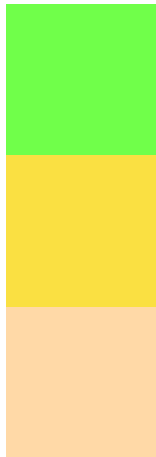


This preview shows how white text looks on a background with the Yxy color 75.4592, 0.3168, 0.5473.

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

75.4592, 0.3168, 0.5473

Protanopia

74.0287, 0.4272, 0.4715

Deuteranopia

73.6757, 0.3771, 0.3805



Tritanopia

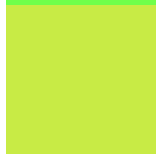
74.7569, 0.2552, 0.3084

Trichromacy



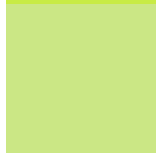
Original Color

75.4592, 0.3168, 0.5473



Protanomaly

72.1257, 0.3808, 0.5030



Deuteranomaly

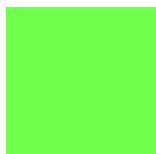
71.5418, 0.3547, 0.4417



Tritanomaly

73.8645, 0.2810, 0.3978

Monochromacy



Original Color

75.4592, 0.3168, 0.5473



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5573, 0.3185, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4592, 0.3168, 0.5473 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(112, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 74)  
}
```

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(112, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 74) }
```

Border

The CSS property to change the border of an element to Yxy 75.4592, 0.3168, 0.5473 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".

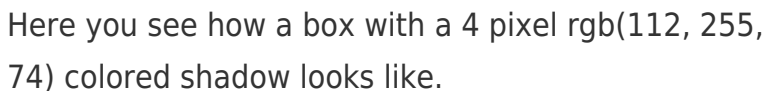
```
.border, #border, table{ border:4px solid rgb(112, 255, 74) }
```

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

```
.border{ border-color:rgb(112, 255, 74) }
```

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

Here you see how a box with a 4 pixel rgb(112, 255, 74) colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4592, 0.3168, 0.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 74) }
```

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

```
.background{ background-color: rgb(112,  
255, 74) }
```

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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