

Converting Colors

$Y_{xy}(100.0000, 0.3134, 0.5586)$

Have a look what the booklet for
Yxy(100.0000, 0.3134, 0.5586)
contains.

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Color

Yxy(75.5387, 0.3170, 0.5462)

Conversions

Conversions Part 1

Format	Color
Hex	71FF4B
RGB	113, 255, 75
RGB Percent	44%, 100%, 29%
CMY	0.5568, 0.0000, 0.7060
CMYK	0.56, 0.00, 0.71, 0.00
HSL	107°, 100%, 65%
HSV	107°, 71%, 100%
XYZ	43.8407, 75.5387, 18.9192
YIQ	192.0220, -26.8520, -86.0840

Conversions

Conversions Part 2

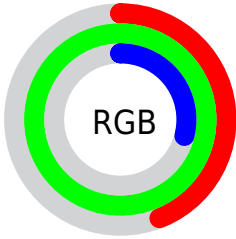
Format	Color
RYB	75, 255, 217
Decimal	7470923
CIELab	89.64, -69.04, 70.54
CIELCh	90, 98.708, 134.385
Yxy	75.5387, 0.3170, 0.5462
Android (android.graphics.Color)	4285661003 (0xFF71FF4B)
YUV	192.0220, -57.6918, -69.3023
Hunter-Lab	86.9130, -62.0588, 47.9328

Details

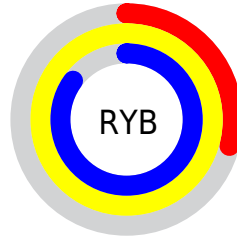
The Yxy color **75.5387, 0.3170, 0.5462** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **26.9915, 0.2836, 0.1557**, and the grayscale version is **53.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4436, 0.3301, 0.4700**, and **40.2726, 0.3052, 0.5959** is the 20% darker color. If you saturate the color by 10%, you get **74.0680, 0.3141, 0.5698**, and if you desaturate by 10%, it is **77.4462, 0.3189, 0.5169**.

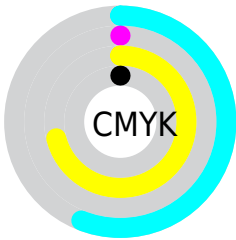
Distribution



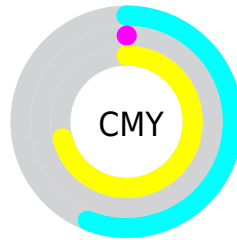
- Red (44%)
- Green (100%)
- Blue (29%)



- 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 75.5387, 0.3170, 0.5462 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 75.5387, 0.3170, 0.5462 by changing the saturation by 10% instead.


 75.5387, 0.3170,
0.5462


 75.5387, 0.3170,
0.5462

479.7671, 0.3235,
0.4397


 56.0543, 0.3130,
0.5706

 127.0746, 0.3212,
0.5088

 40.2465, 0.3066,
0.6003


 159.8950, 0.3223,
0.4944

 27.7308, 0.2963,
0.6366


 197.9294, 0.3229,
0.4819

 18.1228, 0.2796,
0.6808

 241.5624, 0.3233,
0.4712

 11.0382, 0.2555,
0.7445

 291.1782, 0.3235,
0.4618

 6.0925, 0.2063,
0.7937


347.1614, 0.3236,

 2.9014, 0.1162,


0.4535


0.8838


409.8962, 0.3235,
0.4462


 1.0805, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.5387, 0.3170,
0.5462


 75.5387, 0.3170,
0.5462


 74.0680, 0.3141,
0.5698


 77.4462, 0.3189,
0.5169


 72.9944, 0.3103,
0.5860

 79.8211, 0.3197,
0.4841

 72.3014, 0.3066,
0.5947


 82.6936, 0.3195,
0.4501

 86.0909, 0.3185,
0.4167

 90.0379, 0.3169,
0.3852

 94.5579, 0.3150,
0.3563

 99.6730, 0.3128,
0.3305

 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.



75.5387, 0.4189, 0.5203



75.5387, 0.3170, 0.5462



75.5387, 0.2191, 0.4653

Triad

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



75.5387, 0.3170, 0.5462



75.5387, 0.1409, 0.1776



75.5387, 0.4968, 0.2950

Complementary

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



75.5387, 0.3170, 0.5462



26.9915, 0.2836, 0.1557

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.



75.5387, 0.3889, 0.2316



75.5387, 0.3170, 0.5462



75.5387, 0.1862, 0.1674

Square

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



75.5387, 0.3170, 0.5462



75.5387, 0.1295, 0.2258



75.5387, 0.2709, 0.1866



75.5387, 0.5373, 0.3670

Rectangle

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



75.5387, 0.3170, 0.5462



75.5387, 0.1703, 0.3721



75.5387, 0.2709, 0.1866



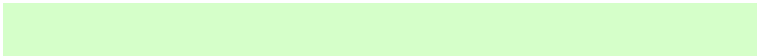
75.5387, 0.4660, 0.2726

Sweetspot

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



75.5394, 0.3170, 0.5462



89.8697, 0.3170, 0.3864



70.8756, 0.4334, 0.4580



18.9918, 0.3175, 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.



75.5394, 0.3170, 0.5462



73.5492, 0.3125, 0.5779



74.5202, 0.2851, 0.5007



20.3531, 0.3148, 0.3533



37.8304, 0.3074, 0.5941



3.7279, 0.3145, 0.5885

Inverse Universe

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



26.9915, 0.2836, 0.1557



22.2051, 0.2753, 0.1355



30.6468, 0.3757, 0.2107



18.0952, 0.3104, 0.3053



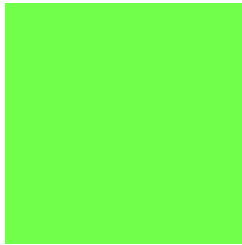
10.3355, 0.2678, 0.1249



1.0525, 0.2741, 0.1284

Previews

White Background



This preview shows how the Yxy color 75.5387, 0.3170, 0.5462 looks on a white background.

Color Contrast Check

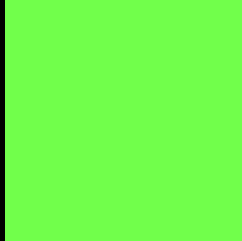
Large Text (above 18pt) WCAG AA × Fail

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 75.5387, 0.3170, 0.5462 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

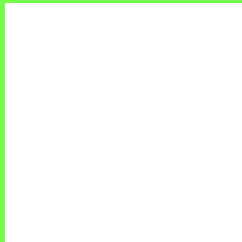
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5387, 0.3170, 0.5462

Background



This preview shows how black text looks on a background with the Yxy color 75.5387, 0.3170, 0.5462.

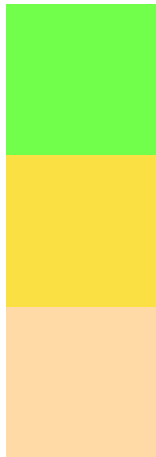


This preview shows how white text looks on a background with the Yxy color 75.5387, 0.3170, 0.5462.

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

75.5387, 0.3170, 0.5462

Protanopia

74.2258, 0.4276, 0.4705

Deuteranopia

74.1928, 0.3768, 0.3815



Tritanopia

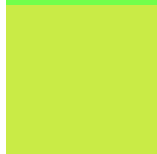
74.8563, 0.2557, 0.3084

Trichromacy



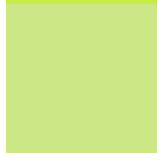
Original Color

75.5387, 0.3170, 0.5462



Protanomaly

72.2764, 0.3812, 0.5018



Deuteranomaly

71.5696, 0.3541, 0.4407



Tritanomaly

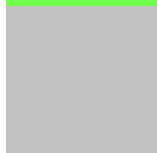
73.9945, 0.2810, 0.3964

Monochromacy



Original Color

75.5387, 0.3170, 0.5462



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 75.5387, 0.3170, 0.5462 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(113, 255, 75)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 75)  
}
```

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(113, 255, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 75) }
```

Border

The CSS property to change the border of an element to Yxy 75.5387, 0.3170, 0.5462 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(113, 255, 75) }
```

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

```
.border{ border-color:rgb(113, 255, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5387, 0.3170, 0.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 75) }
```

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

```
.background{ background-color: rgb(113,  
255, 75) }
```

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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