

Converting Colors

$Y_{xy}(75.7860, 0.3121, 0.5321)$

Have a look what the booklet for
Yxy(75.7860, 0.3121, 0.5321)
contains.

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Color

Yxy(75.7860, 0.3121, 0.5321)

Conversions

Conversions Part 1

Format	Color
Hex	71FF5B
RGB	113, 255, 91
RGB Percent	44%, 100%, 36%
CMY	0.5572, 0.0000, 0.6430
CMYK	0.56, 0.00, 0.64, 0.00
HSL	112°, 100%, 68%
HSV	112°, 64%, 100%
XYZ	44.4518, 75.7860, 22.1903
YIQ	193.8460, -31.9880, -81.1080

Conversions

Conversions Part 2

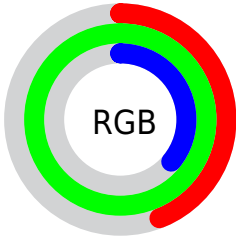
Format	Color
RYB	91, 255, 233
Decimal	7470939
CIELab	89.76, -67.75, 64.65
CIELCh	90, 93.647, 136.343
Yxy	75.7860, 0.3121, 0.5321
Android (android.graphics.Color)	4285661019 (0xFF71FF5B)
YUV	193.8460, -50.7031, -70.9019
Hunter-Lab	87.0552, -61.2014, 45.8256

Details

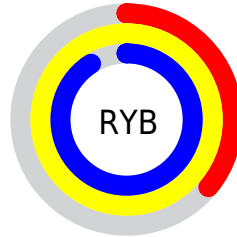
The Yxy color **75.7860, 0.3121, 0.5321** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **32.0522, 0.2991, 0.1729**, and the grayscale version is **54.1599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8567, 0.3233, 0.4546**, and **40.3963, 0.3024, 0.5840** is the 20% darker color. If you saturate the color by 10%, you get **74.1231, 0.3099, 0.5599**, and if you desaturate by 10%, it is **77.9458, 0.3136, 0.4995**.

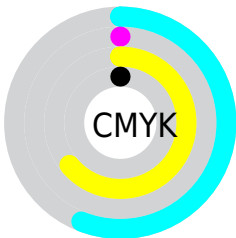
Distribution



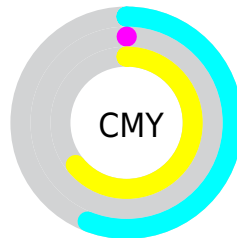
- Red (44%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7860, 0.3121, 0.5321 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 75.7860, 0.3121, 0.5321 by changing the saturation by 10% instead.


 75.7860, 0.3121,
0.5321


 75.7860, 0.3121,
0.5321


480.6148, 0.3194,
0.4320


 56.2570, 0.3083,
0.5555


 127.4244, 0.3163,
0.4967


 40.4091, 0.3025,
0.5842


 160.3026, 0.3174,
0.4831

 27.8576, 0.2932,
0.6198


 198.3993, 0.3182,
0.4715

 18.2184, 0.2782,
0.6643

 242.0990, 0.3187,
0.4614

 11.1069, 0.2557,
0.7265

291.7859, 0.3191,
0.4526

 6.1388, 0.2119,
0.7881


347.8447, 0.3193,


 2.9296, 0.1268,


0.4449


0.8732


410.6595, 0.3194,
0.4381


 1.0951, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7860, 0.3121,
0.5321


 75.7860, 0.3121,
0.5321


 74.1231, 0.3099,
0.5599

 77.9458, 0.3136,
0.4995


 72.9287, 0.3072,
0.5808

 80.6537, 0.3145,
0.4648

 72.1488, 0.3044,
0.5935

 83.9388, 0.3148,
0.4301

 71.8606, 0.3029,
0.5977

 87.8321, 0.3145,
0.3972

 92.3624, 0.3139,
0.3669

 97.5567, 0.3131,
0.3397

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.



75.7860, 0.4104, 0.5163



75.7860, 0.3121, 0.5321



75.7860, 0.2189, 0.4492

Triad

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



75.7860, 0.3121, 0.5321



75.7860, 0.1492, 0.1823



75.7860, 0.4923, 0.3019

Complementary

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



75.7860, 0.3121, 0.5321



32.0522, 0.2991, 0.1729

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.



75.7860, 0.3929, 0.2395



75.7860, 0.3121, 0.5321



75.7860, 0.1957, 0.1740

Square

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



75.7860, 0.3121, 0.5321



75.7860, 0.1362, 0.2268



75.7860, 0.2799, 0.1943



75.7860, 0.5269, 0.3724

Rectangle

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



75.7860, 0.3121, 0.5321



75.7860, 0.1733, 0.3618



75.7860, 0.2799, 0.1943



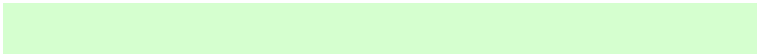
75.7860, 0.4644, 0.2798

Sweetspot

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



75.7814, 0.3121, 0.5321



90.1515, 0.3143, 0.3807



78.8357, 0.4166, 0.4591



19.0233, 0.3144, 0.3895



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.



75.7814, 0.3121, 0.5321



73.7566, 0.3092, 0.5663



75.8977, 0.2809, 0.4691



20.2843, 0.3136, 0.3534



37.5841, 0.3035, 0.5972



3.6936, 0.3091, 0.5928

Inverse Universe

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



32.0522, 0.2991, 0.1729



26.9365, 0.2948, 0.1532



32.8081, 0.3814, 0.2270



18.1702, 0.3117, 0.3054



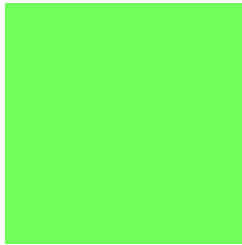
11.8501, 0.2874, 0.1357



1.1864, 0.2914, 0.1379

Previews

White Background



This preview shows how the Yxy color 75.7860, 0.3121, 0.5321 looks on a white background.

Color Contrast Check

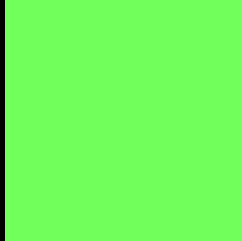
Large Text (above 18pt) WCAG AA × Fail

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 75.7860, 0.3121, 0.5321 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

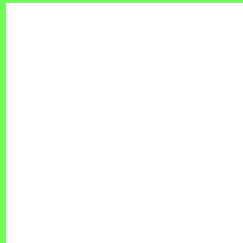
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7860, 0.3121, 0.5321

Background



This preview shows how black text looks on a background with the Yxy color 75.7860, 0.3121, 0.5321.

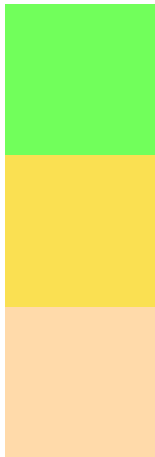


This preview shows how white text looks on a background with the Yxy color 75.7860, 0.3121, 0.5321.

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

75.7860, 0.3121, 0.5321

Protanopia

74.2445, 0.4209, 0.4623

Deuteranopia

74.3051, 0.3746, 0.3784



Tritanopia

74.9565, 0.2561, 0.3085

Trichromacy



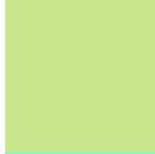
Original Color

75.7860, 0.3121, 0.5321



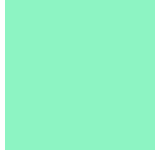
Protanomaly

72.3519, 0.3749, 0.4916



Deuteranomaly

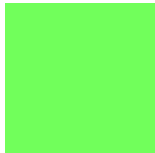
71.7714, 0.3499, 0.4329



Tritanomaly

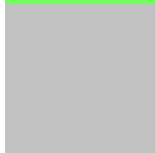
74.3042, 0.2790, 0.3897

Monochromacy



Original Color

75.7860, 0.3121, 0.5321



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5454, 0.3147, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7860, 0.3121, 0.5321 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 91) }
```

Border

The CSS property to change the border of an element to Yxy 75.7860, 0.3121, 0.5321 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, 91) }
```

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

```
.border{ border-color:rgb(113, 255, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7860, 0.3121, 0.5321 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, 91) }
```

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

```
.background{ background-color: rgb(113,  
255, 91) }
```

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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