

Converting Colors

$Y_{xy}(74.8510, 0.3010, 0.5271)$

Have a look what the booklet for
Yxy(74.8510, 0.3010, 0.5271)
contains.

Yxy(74.8393, 0.3007, 0.5268)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.8393, 0.3007, 0.5268)

Conversions

Conversions Part 1

Format	Color
Hex	5EFF65
RGB	94, 255, 101
RGB Percent	37%, 100%, 40%
CMY	0.6317, 0.0000, 0.6039
CMYK	0.63, 0.00, 0.60, 0.00
HSL	123°, 100%, 68%
HSV	123°, 63%, 100%
XYZ	42.7186, 74.8393, 24.5060
YIQ	189.3050, -46.5220, -82.0260

Conversions

Conversions Part 2

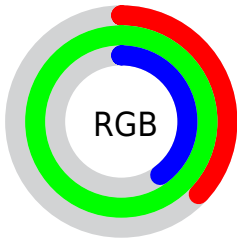
Format	Color
RYB	94, 248, 255
Decimal	6225765
CIELab	89.32, -70.96, 59.93
CIELCh	89, 92.877, 139.818
Yxy	74.8393, 0.3007, 0.5268
Android (android.graphics.Color)	4284415845 (0xFF5EFF65)
YUV	189.3050, -43.5344, -83.5825
Hunter-Lab	86.5097, -63.2484, 43.7614

Details

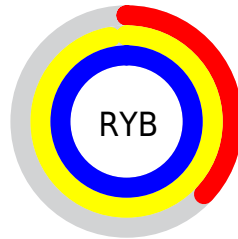
The Yxy color **74.8393, 0.3007, 0.5268** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **36.0222, 0.3262, 0.1890**, and the grayscale version is **51.3316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3939, 0.3094, 0.4476**, and **40.1144, 0.2935, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **73.2945, 0.2997, 0.5561**, and if you desaturate by 10%, it is **76.9619, 0.3022, 0.4933**.

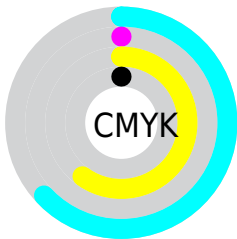
Distribution



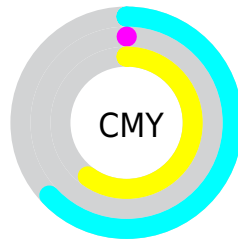
- Red (37%)
- Green (100%)
- Blue (40%)



- Red (37%)
- Yellow (97%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8393, 0.3007, 0.5268 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 74.8393, 0.3007, 0.5268 by changing the saturation by 10% instead.


 74.8393, 0.3007,
0.5268

 74.8393, 0.3007,
0.5268

477.3650, 0.3126,
0.4283


 55.4813, 0.2961,
0.5502


 126.0849, 0.3063,
0.4917

 39.7872, 0.2894,
0.5793


 158.7412, 0.3080,
0.4783

 27.3726, 0.2793,
0.6159


 196.5990, 0.3093,
0.4668

 17.8533, 0.2635,
0.6626

 240.0428, 0.3103,
0.4570

 10.8447, 0.2387,
0.7246

289.4569, 0.3111,
0.4484

 5.9625, 0.1970,
0.8030


345.2257, 0.3117,


 2.8223, 0.0962,


0.4409


0.9038


407.7336, 0.3122,
0.4342


 1.0397, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.8393, 0.3007,
0.5268

 74.8393, 0.3007,
0.5268


 73.2945, 0.2997,
0.5561

 76.9619, 0.3022,
0.4933


 72.2820, 0.2992,
0.5786

 79.7264, 0.3041,
0.4582


 71.7263, 0.2993,
0.5930

 83.1739, 0.3061,
0.4238

 71.5447, 0.2995,
0.5981

 87.3456, 0.3082,
0.3916

 92.2795, 0.3102,
0.3623

 98.0110, 0.3121,
0.3365

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.



74.8393, 0.3994, 0.5213



74.8393, 0.3007, 0.5268



74.8393, 0.2102, 0.4341

Triad

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



74.8393, 0.3007, 0.5268



74.8393, 0.1533, 0.1801



74.8393, 0.4995, 0.3099

Complementary

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



74.8393, 0.3007, 0.5268



36.0222, 0.3262, 0.1890

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.



74.8393, 0.4059, 0.2463



74.8393, 0.3007, 0.5268



74.8393, 0.2039, 0.1754

Square

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



74.8393, 0.3007, 0.5268



74.8393, 0.1366, 0.2197



74.8393, 0.2921, 0.1988



74.8393, 0.5252, 0.3810

Rectangle

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



74.8393, 0.3007, 0.5268



74.8393, 0.1678, 0.3469



74.8393, 0.2921, 0.1988



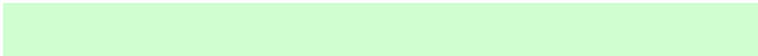
74.8393, 0.4742, 0.2876

Sweetspot

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



74.8349, 0.3007, 0.5268



89.3084, 0.3091, 0.3790



92.5824, 0.3972, 0.4772



18.8244, 0.3085, 0.3875



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.



74.8349, 0.3007, 0.5268



72.9572, 0.2995, 0.5632



77.1835, 0.2682, 0.4260



20.1811, 0.3110, 0.3525



37.3892, 0.2993, 0.5973



3.6448, 0.2975, 0.5910

Inverse Universe

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



36.0222, 0.3262, 0.1890



31.3016, 0.3287, 0.1726



32.1183, 0.4174, 0.2558



18.2858, 0.3145, 0.3066



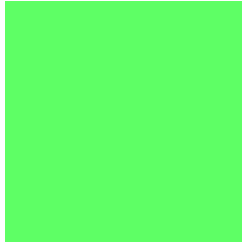
14.5208, 0.3323, 0.1604



1.4179, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 74.8393, 0.3007, 0.5268 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 74.8393, 0.3007, 0.5268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

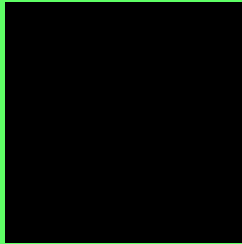
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8393, 0.3007, 0.5268

Background



This preview shows how black text looks on a background with the Yxy color 74.8393, 0.3007, 0.5268.

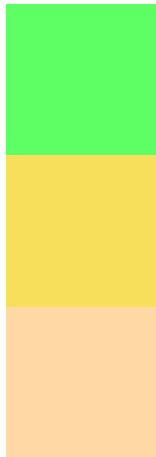


This preview shows how white text looks on a background with the Yxy color 74.8393, 0.3007, 0.5268.

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

74.8393, 0.3007, 0.5268

Protanopia

73.4871, 0.4160, 0.4564

Deuteranopia

73.1249, 0.3782, 0.3805



Tritanopia

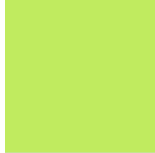
73.8994, 0.2510, 0.3082

Trichromacy



Original Color

74.8393, 0.3007, 0.5268



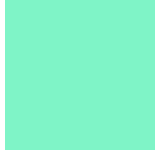
Protanomaly

71.4494, 0.3646, 0.4868



Deuteranomaly

70.2824, 0.3444, 0.4327



Tritanomaly

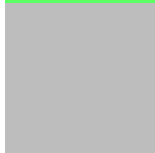
73.3369, 0.2703, 0.3855

Monochromacy



Original Color

74.8393, 0.3007, 0.5268



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.8928, 0.3071, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8393, 0.3007, 0.5268 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(94, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 101)  
}
```

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(94, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 101) }
```

Border

The CSS property to change the border of an element to Yxy 74.8393, 0.3007, 0.5268 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(94, 255, 101) }
```

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

```
.border{ border-color:rgb(94, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8393, 0.3007, 0.5268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 101) }
```

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

```
.background{ background-color: rgb(94, 255,  
101) }
```

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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