

Converting Colors

$Y_{xy}(74.2379, 0.2910, 0.5184)$

Have a look what the booklet for
Yxy(74.2379, 0.2910, 0.5184)
contains.

Yxy(74.2042, 0.2910, 0.5190)	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(74.2042, 0.2910, 0.5190)

Conversions

Conversions Part 1

Format	Color
Hex	4CFF6F
RGB	76, 255, 111
RGB Percent	30%, 100%, 44%
CMY	0.7022, 0.0000, 0.5647
CMYK	0.70, 0.00, 0.56, 0.00
HSL	132°, 100%, 65%
HSV	132°, 70%, 100%
XYZ	41.6058, 74.2042, 27.1653
YIQ	185.0630, -60.4600, -82.7320

Conversions

Conversions Part 2

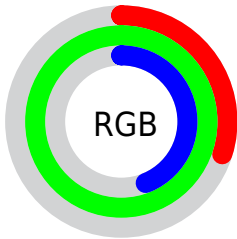
Format	Color
RYB	76, 226, 255
Decimal	5046127
CIELab	89.02, -73.02, 55.16
CIELCh	89, 91.517, 142.934
Yxy	74.2042, 0.2910, 0.5190
Android (android.graphics.Color)	4283236207 (0xFF4CFF6F)
YUV	185.0630, -36.5131, -95.6483
Hunter-Lab	86.1419, -64.5342, 41.6019

Details

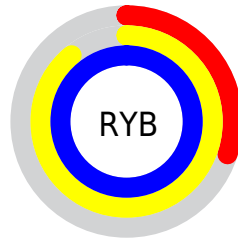
The Yxy color **74.2042, 0.2910, 0.5190** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **31.5861, 0.3566, 0.1985**, and the grayscale version is **48.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3842, 0.2968, 0.4378**, and **40.2279, 0.2897, 0.5628** is the 20% darker color. If you saturate the color by 10%, you get **72.9559, 0.2914, 0.5456**, and if you desaturate by 10%, it is **75.9647, 0.2919, 0.4895**.

Distribution



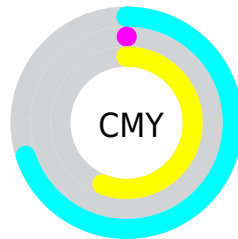
- Red (30%)
- Green (100%)
- Blue (44%)



- Red (30%)
- Yellow (89%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2042, 0.2910, 0.5190 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 74.2042, 0.2910, 0.5190 by changing the saturation by 10% instead.


 74.2042, 0.2910,
0.5190

 74.2042, 0.2910,
0.5190


475.1778, 0.3067,
0.4238


 54.9612, 0.2858,
0.5420


 125.1852, 0.2977,
0.4848

 39.3706, 0.2785,
0.5707


 157.6920, 0.2999,
0.4718

 27.0482, 0.2679,
0.6074


 195.3889, 0.3017,
0.4608

 17.6094, 0.2517,
0.6549

 238.6602, 0.3031,
0.4513

 10.6699, 0.2259,
0.7171

287.8904, 0.3043,
0.4430

 5.8454, 0.1874,
0.8126

343.4638, 0.3052,

 2.7513, 0.0736,

0.4358

0.9264

405.7648, 0.3060,
0.4294

■ 1.0033, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.2042, 0.2910,
0.5190

■ 74.2042, 0.2910,
0.5190

■ 72.9559, 0.2914,
0.5456

■ 75.9647, 0.2919,
0.4895


■ 72.1678, 0.2930,
0.5674


■ 78.2951, 0.2940,
0.4588

■ 71.7495, 0.2953,
0.5832

■ 81.2369, 0.2970,
0.4286

■ 84.8299, 0.3006,
0.4000

 89.1104, 0.3045,
0.3738

 94.1120, 0.3086,
0.3503

99.8661, 0.3126,
0.3294

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.



74.2042, 0.3892, 0.5237



74.2042, 0.2910, 0.5190



74.2042, 0.2037, 0.4195

Triad

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



74.2042, 0.2910, 0.5190



74.2042, 0.1583, 0.1796



74.2042, 0.5036, 0.3174

Complementary

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



74.2042, 0.2910, 0.5190



31.5861, 0.3566, 0.1985

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.



74.2042, 0.4165, 0.2532



74.2042, 0.2910, 0.5190



74.2042, 0.2123, 0.1779

Square

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



74.2042, 0.2910, 0.5190



74.2042, 0.1383, 0.2149



74.2042, 0.3034, 0.2038



74.2042, 0.5215, 0.3886

Rectangle

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



74.2042, 0.2910, 0.5190



74.2042, 0.1644, 0.3340



74.2042, 0.3034, 0.2038



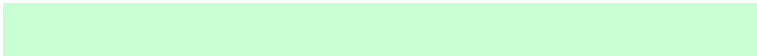
74.2042, 0.4809, 0.2950

Sweetspot

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



74.2017, 0.2910, 0.5190



88.7500, 0.3042, 0.3758



87.5980, 0.3842, 0.5005



18.7313, 0.3031, 0.3828



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.



74.2017, 0.2910, 0.5190



72.6076, 0.2918, 0.5545



77.1453, 0.2550, 0.4017



20.2263, 0.3089, 0.3487



37.5071, 0.2947, 0.5810



3.6664, 0.2894, 0.5618

Inverse Universe

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



31.5861, 0.3566, 0.1985



27.6399, 0.3672, 0.1878



28.1049, 0.4751, 0.2780



18.2358, 0.3168, 0.3101



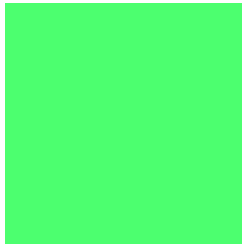
13.4358, 0.3778, 0.1855



1.3230, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 74.2042, 0.2910, 0.5190 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 74.2042, 0.2910, 0.5190 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 74.2042, 0.2910, 0.5190

Background



This preview shows how black text looks on a background with the Yxy color 74.2042, 0.2910, 0.5190.

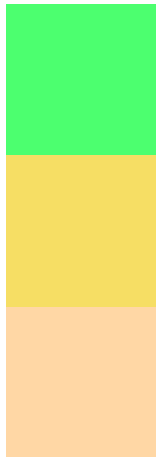


This preview shows how white text looks on a background with the Yxy color 74.2042, 0.2910, 0.5190.

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

74.2042, 0.2910, 0.5190

Protanopia

72.7555, 0.4106, 0.4497

Deuteranopia

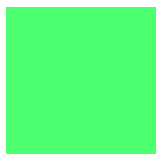
72.5775, 0.3793, 0.3806



Tritanopia

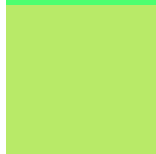
73.7723, 0.2477, 0.3092

Trichromacy



Original Color

74.2042, 0.2910, 0.5190



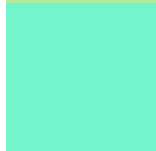
Protanomaly

70.0355, 0.3550, 0.4810



Deuteranomaly

69.5851, 0.3382, 0.4307



Tritanomaly

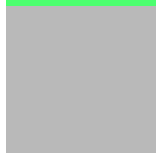
72.6580, 0.2632, 0.3809

Monochromacy



Original Color

74.2042, 0.2910, 0.5190



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.5816, 0.3002, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2042, 0.2910, 0.5190 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(76, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 111)  
}
```

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(76, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 111) }
```

Border

The CSS property to change the border of an element to Yxy 74.2042, 0.2910, 0.5190 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(76, 255, 111) }
```

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

```
.border{ border-color:rgb(76, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2042, 0.2910, 0.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 111) }
```

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

```
.background{ background-color: rgb(76, 255,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor