

Converting Colors

$Yxy(74.5348, 0.2862, 0.5029)$

Have a look what the booklet for
Yxy(74.5348, 0.2862, 0.5029)
contains.

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Color

Yxy(74.5117, 0.2861, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	4CFF7C
RGB	76, 255, 124
RGB Percent	30%, 100%, 49%
CMY	0.7024, 0.0000, 0.5137
CMYK	0.70, 0.00, 0.51, 0.00
HSL	136°, 100%, 65%
HSV	136°, 70%, 100%
XYZ	42.3729, 74.5117, 31.2206
YIQ	186.5450, -64.6330, -78.6890

Conversions

Conversions Part 2

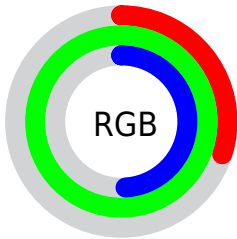
Format	Color
RYB	76, 217, 255
Decimal	5046140
CIELab	89.16, -71.33, 49.43
CIELCh	89, 86.785, 145.277
Yxy	74.5117, 0.2861, 0.5031
Android (android.graphics.Color)	4283236220 (0xFF4CFF7C)
YUV	186.5450, -30.8347, -96.9480
Hunter-Lab	86.3202, -63.4381, 38.9799

Details

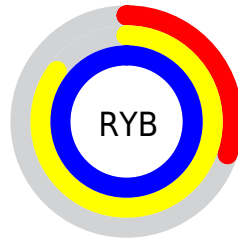
The Yxy color **74.5117, 0.2861, 0.5031** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **30.9143, 0.3721, 0.2089**, and the grayscale version is **49.6108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7944, 0.2899, 0.4215**, and **40.3874, 0.2847, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **73.2357, 0.2866, 0.5291**, and if you desaturate by 10%, it is **76.2827, 0.2872, 0.4752**.

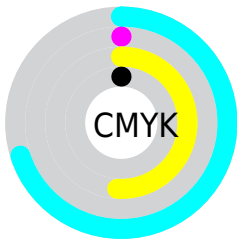
Distribution



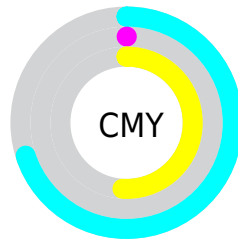
- Red (30%)
- Green (100%)
- Blue (49%)



- Red (30%)
- Yellow (85%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5117, 0.2861, 0.5031 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 74.5117, 0.2861, 0.5031 by changing the saturation by 10% instead.


 74.5117, 0.2861,
0.5031

 74.5117, 0.2861,
0.5031


476.2375, 0.3030,
0.4159

 55.2129, 0.2810,
0.5243

 125.6209, 0.2930,
0.4717


 39.5722, 0.2739,
0.5510

 158.2002, 0.2954,
0.4598

 27.2052, 0.2638,
0.5853


 195.9750, 0.2973,
0.4497

 17.7274, 0.2489,
0.6306

 239.3299, 0.2988,
0.4410

 10.7544, 0.2254,
0.6913

288.6492, 0.3002,
0.4335

 5.9020, 0.1931,
0.7988


344.3173, 0.3013,

 2.7856, 0.0899,


0.4269


0.9101


406.7186, 0.3022,
0.4210

 1.0208, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.5117, 0.2861,
0.5031


 74.5117, 0.2861,
0.5031


 73.2357, 0.2866,
0.5291


 76.2827, 0.2872,
0.4752


 72.4088, 0.2886,
0.5518


 78.6084, 0.2897,
0.4469

 71.9435, 0.2916,
0.5698

 81.5276, 0.2932,
0.4193

 85.0784, 0.2976,
0.3934

 89.2958, 0.3024,
0.3697

 94.2122, 0.3075,
0.3483

99.8577, 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.



74.5117, 0.3804, 0.5169



74.5117, 0.2861, 0.5031



74.5117, 0.2040, 0.4051

Triad

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



74.5117, 0.2861, 0.5031



74.5117, 0.1674, 0.1847



74.5117, 0.4978, 0.3244

Complementary

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



74.5117, 0.2861, 0.5031



30.9143, 0.3721, 0.2089

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.



74.5117, 0.4193, 0.2613



74.5117, 0.2861, 0.5031



74.5117, 0.2226, 0.1850

Square

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



74.5117, 0.2861, 0.5031



74.5117, 0.1456, 0.2165



74.5117, 0.3123, 0.2120



74.5117, 0.5105, 0.3938

Rectangle

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



74.5117, 0.2861, 0.5031



74.5117, 0.1678, 0.3257



74.5117, 0.3123, 0.2120



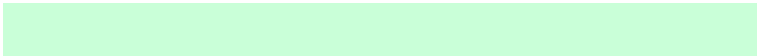
74.5117, 0.4779, 0.3024

Sweetspot

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



74.5079, 0.2861, 0.5031



88.9493, 0.3021, 0.3714



85.3403, 0.3738, 0.5074



18.7780, 0.3007, 0.3778



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.



74.5079, 0.2861, 0.5031



72.8756, 0.2872, 0.5381



77.8671, 0.2488, 0.3816



20.2483, 0.3079, 0.3469



37.6131, 0.2909, 0.5671



3.6795, 0.2849, 0.5455

Inverse Universe

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



30.9143, 0.3721, 0.2089



26.8843, 0.3876, 0.1998



27.7155, 0.4971, 0.2927



18.2122, 0.3179, 0.3118



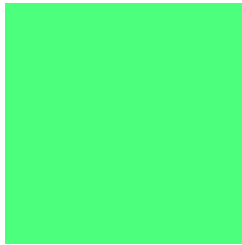
12.9985, 0.4032, 0.1995



1.2838, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 74.5117, 0.2861, 0.5031 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 74.5117, 0.2861, 0.5031 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 74.5117, 0.2861, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 74.5117, 0.2861, 0.5031.

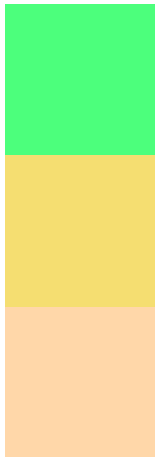


This preview shows how white text looks on a background with the Yxy color 74.5117, 0.2861, 0.5031.

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

74.5117, 0.2861, 0.5031

Protanopia

72.8473, 0.4027, 0.4394

Deuteranopia

72.7255, 0.3764, 0.3765



Tritanopia

73.8580, 0.2481, 0.3092

Trichromacy



Original Color

74.5117, 0.2861, 0.5031



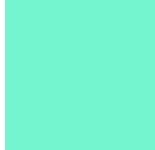
Protanomaly

70.3203, 0.3485, 0.4677



Deuteranomaly

69.8407, 0.3334, 0.4212



Tritanomaly

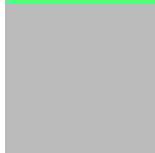
72.9194, 0.2617, 0.3756

Monochromacy



Original Color

74.5117, 0.2861, 0.5031



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

55.9703, 0.2978, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5117, 0.2861, 0.5031 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 124) }
```

Border

The CSS property to change the border of an element to Yxy 74.5117, 0.2861, 0.5031 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, 124) }
```

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

```
.border{ border-color:rgb(76, 255, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5117, 0.2861, 0.5031 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, 124) }
```

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

```
.background{ background-color: rgb(76, 255,  
124) }
```

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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