

Converting Colors

$Yxy(77.5189, 0.2874, 0.4574)$

Have a look what the booklet for
Yxy(77.5189, 0.2874, 0.4574)
contains.

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Color

Yxy(77.5314, 0.2873, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	73FF9B
RGB	115, 255, 155
RGB Percent	45%, 100%, 61%
CMY	0.5488, 0.0000, 0.3921
CMYK	0.55, 0.00, 0.39, 0.00
HSL	137°, 100%, 73%
HSV	137°, 55%, 100%
XYZ	48.7520, 77.5314, 43.4067
YIQ	201.7400, -51.3400, -60.7800

Conversions

Conversions Part 2

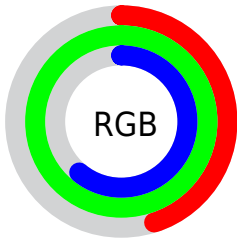
Format	Color
RYB	115, 224, 255
Decimal	7602075
CIELab	90.57, -59.09, 36.54
CIElCh	91, 69.477, 148.271
Yxy	77.5314, 0.2873, 0.4569
Android (android.graphics.Color)	4285792155 (0xFF73FF9B)
YUV	201.7400, -23.0428, -76.0710
Hunter-Lab	88.0519, -55.2602, 32.4083

Details

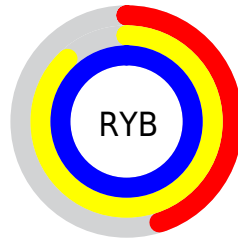
The Yxy color **77.5314, 0.2873, 0.4569** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.4427, 0.3578, 0.2306**, and the grayscale version is **59.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4032, 0.2906, 0.3800**, and **41.4926, 0.2782, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **75.4707, 0.2853, 0.4847**, and if you desaturate by 10%, it is **80.1689, 0.2905, 0.4295**.

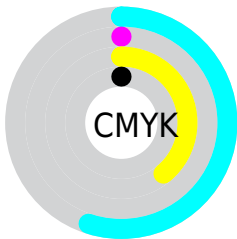
Distribution



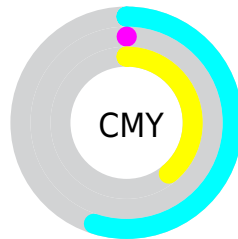
- Red (45%)
- Green (100%)
- Blue (61%)



- Red (45%)
- Yellow (88%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5314, 0.2873, 0.4569 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 77.5314, 0.2873, 0.4569 by changing the saturation by 10% instead.


 77.5314, 0.2873,
0.4569


 77.5314, 0.2873,
0.4569

486.5739, 0.3014,
0.3939

 57.6891, 0.2834,
0.4721


 129.8893, 0.2927,
0.4344

 41.5588, 0.2784,
0.4913

 163.1738, 0.2947,
0.4258

 28.7560, 0.2714,
0.5161


 201.7077, 0.2963,
0.4185

 18.8963, 0.2614,
0.5492

245.8756, 0.2976,
0.4122

 11.5954, 0.2461,
0.5954

296.0617, 0.2988,
0.4068

 6.4688, 0.2211,
0.6622


352.6506, 0.2998,


 3.1322, 0.1872,


0.4020


0.8128

416.0265, 0.3007,
0.3977


 1.2011, 0.0000,
1.0000


 0.0626, 0.0000,
1.0000


 77.5314, 0.2873,
0.4569


 77.5314, 0.2873,
0.4569


 75.4707, 0.2853,
0.4847


 80.1689, 0.2905,
0.4295


 73.9326, 0.2849,
0.5115


 83.4135, 0.2947,
0.4034


 72.8688, 0.2862,
0.5361

 87.3043, 0.2996,
0.3792

 72.2163, 0.2889,
0.5570

 91.8745, 0.3048,
0.3572

 71.9976, 0.2906,
0.5662

 97.1552, 0.3101,
0.3377

99.9993, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5314, 0.3650, 0.4800



77.5314, 0.2873, 0.4569



77.5314, 0.2207, 0.3798

Triad

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



77.5314, 0.2873, 0.4569



77.5314, 0.1959, 0.2089



77.5314, 0.4633, 0.3350

Complementary

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



77.5314, 0.2873, 0.4569



38.4427, 0.3578, 0.2306

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.



77.5314, 0.4054, 0.2796



77.5314, 0.2873, 0.4569



77.5314, 0.2463, 0.2106

Square

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



77.5314, 0.2873, 0.4569



77.5314, 0.1742, 0.2350



77.5314, 0.3221, 0.2357



77.5314, 0.4716, 0.3944

Rectangle

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



77.5314, 0.2873, 0.4569



77.5314, 0.1913, 0.3204



77.5314, 0.3221, 0.2357



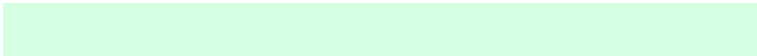
77.5314, 0.4489, 0.3157

Sweetspot

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



77.5346, 0.2873, 0.4569



91.3288, 0.3042, 0.3596



87.2582, 0.3645, 0.4748



19.3380, 0.3031, 0.3640



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.



77.5346, 0.2873, 0.4569



75.2739, 0.2852, 0.4878



80.5865, 0.2556, 0.3654



20.2534, 0.3076, 0.3464



37.6427, 0.2898, 0.5634



3.6830, 0.2837, 0.5414

Inverse Universe

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



38.4427, 0.3578, 0.2306



32.5307, 0.3707, 0.2158



35.5898, 0.4408, 0.2987



18.2067, 0.3182, 0.3122



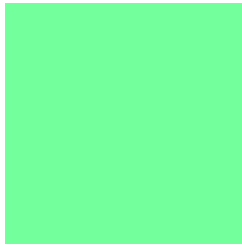
12.9050, 0.4094, 0.2029



1.2754, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 77.5314, 0.2873, 0.4569 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 77.5314, 0.2873, 0.4569 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

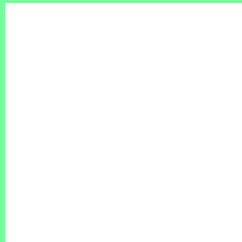
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5314, 0.2873, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 77.5314, 0.2873, 0.4569.

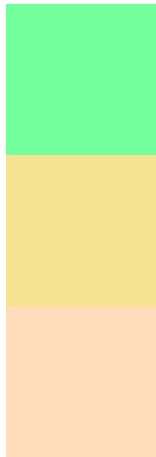


This preview shows how white text looks on a background with the Yxy color 77.5314, 0.2873, 0.4569.

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

77.5314, 0.2873, 0.4569

Protanopia

75.9992, 0.3826, 0.4140

Deuteranopia

76.0772, 0.3611, 0.3618



Tritanopia

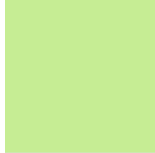
76.8455, 0.2599, 0.3110

Trichromacy



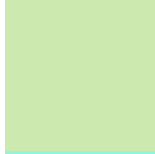
Original Color

77.5314, 0.2873, 0.4569



Protanomaly

74.7123, 0.3406, 0.4320



Deuteranomaly

74.2498, 0.3287, 0.3944



Tritanomaly

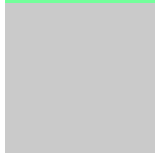
76.5303, 0.2695, 0.3600

Monochromacy



Original Color

77.5314, 0.2873, 0.4569



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.7617, 0.3003, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5314, 0.2873, 0.4569 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(115, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 155)  
}
```

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(115, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 77.5314, 0.2873, 0.4569 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(115, 255, 155) }
```

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

```
.border{ border-color:rgb(115, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 255, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 255, 155); box-shadow:4px 4px 4px 4px rgb(115, 255, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5314, 0.2873, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 155) }
```

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

```
.background{ background-color: rgb(115,  
255, 155) }
```

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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