

Converting Colors

$Y_{xy}(75.6592, 0.2799, 0.4709)$

Have a look what the booklet for
Yxy(75.6592, 0.2799, 0.4709)
contains.

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Color

Yxy(75.6528, 0.2802, 0.4715)

Conversions

Conversions Part 1

Format	Color
Hex	57FF93
RGB	87, 255, 147
RGB Percent	34%, 100%, 58%
CMY	0.6588, 0.0000, 0.4235
CMYK	0.66, 0.00, 0.42, 0.00
HSL	141°, 100%, 67%
HSV	141°, 66%, 100%
XYZ	44.9585, 75.6528, 39.8401
YIQ	192.4560, -65.4600, -69.2040

Conversions

Conversions Part 2

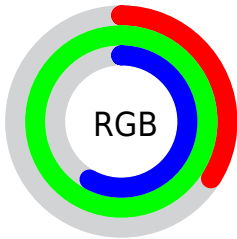
Format	Color
RYB	87, 211, 255
Decimal	5767059
CIELab	89.70, -66.02, 39.19
CIELCh	90, 76.772, 149.305
Yxy	75.6528, 0.2802, 0.4715
Android (android.graphics.Color)	4283957139 (0xFF57FF93)
YUV	192.4560, -22.4098, -92.4849
Hunter-Lab	86.9786, -59.9475, 33.7276

Details

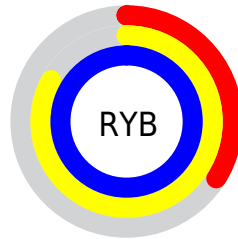
The Yxy color **75.6528, 0.2802, 0.4715** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **32.0196, 0.3853, 0.2263**, and the grayscale version is **53.1587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5566, 0.2825, 0.3917**, and **40.7587, 0.2743, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **74.1570, 0.2797, 0.4964**, and if you desaturate by 10%, it is **77.6576, 0.2824, 0.4462**.

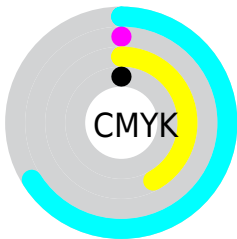
Distribution



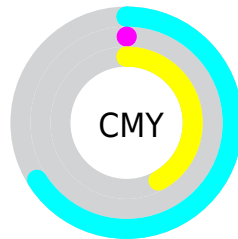
- Red (34%)
- Green (100%)
- Blue (58%)



- Red (34%)
- Yellow (83%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6528, 0.2802, 0.4715 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 75.6528, 0.2802, 0.4715 by changing the saturation by 10% instead.


 75.6528, 0.2802,
0.4715


 75.6528, 0.2802,
0.4715


480.1583, 0.2982,
0.4006

 56.1479, 0.2753,
0.4888


 127.2360, 0.2871,
0.4460


 40.3215, 0.2688,
0.5106


 160.0830, 0.2896,
0.4363

 27.7893, 0.2600,
0.5390


 198.1462, 0.2916,
0.4281

 18.1669, 0.2473,
0.5769

 241.8100, 0.2934,
0.4211

 11.0699, 0.2281,
0.6297

291.4587, 0.2948,
0.4150

 6.1138, 0.1972,
0.7059


347.4767, 0.2961,

 2.9144, 0.1366,


0.4096


0.8634


410.2485, 0.2972,
0.4048


 1.0872, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6528, 0.2802,
0.4715


 75.6528, 0.2802,
0.4715


 74.1570, 0.2797,
0.4964


 77.6576, 0.2824,
0.4462


 73.1154, 0.2811,
0.5198


 80.2118, 0.2861,
0.4214

 72.4666, 0.2841,
0.5406

 83.3554, 0.2909,
0.3978

 72.2766, 0.2857,
0.5483

 87.1239, 0.2965,
0.3760

 91.5499, 0.3026,
0.3562

 96.6634, 0.3090,
0.3385

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.



75.6528, 0.3653, 0.4976



75.6528, 0.2802, 0.4715



75.6528, 0.2087, 0.3819

Triad

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



75.6528, 0.2802, 0.4715



75.6528, 0.1863, 0.1972



75.6528, 0.4814, 0.3357

Complementary

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



75.6528, 0.2802, 0.4715



32.0196, 0.3853, 0.2263

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.



75.6528, 0.4187, 0.2761



75.6528, 0.2802, 0.4715



75.6528, 0.2416, 0.2004

Square

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



75.6528, 0.2802, 0.4715



75.6528, 0.1620, 0.2233



75.6528, 0.3257, 0.2283



75.6528, 0.4870, 0.4000

Rectangle

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



75.6528, 0.2802, 0.4715



75.6528, 0.1780, 0.3149



75.6528, 0.3257, 0.2283



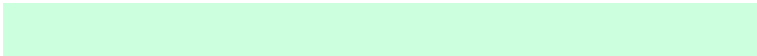
75.6528, 0.4662, 0.3150

Sweetspot

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



75.6540, 0.2802, 0.4715



89.6428, 0.3001, 0.3641



83.9718, 0.3625, 0.5049



18.9232, 0.2984, 0.3697



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.



75.6540, 0.2802, 0.4715



73.7853, 0.2799, 0.5039



79.2492, 0.2448, 0.3596



20.2753, 0.3067, 0.3447



37.7918, 0.2848, 0.5453



3.6996, 0.2785, 0.5225

Inverse Universe

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



32.0196, 0.3853, 0.2263



27.2778, 0.4062, 0.2169



29.2538, 0.4990, 0.3067



18.1838, 0.3193, 0.3138



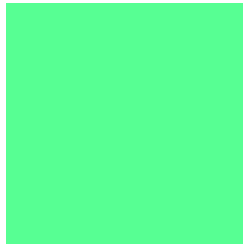
12.5375, 0.4371, 0.2181



1.2416, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 75.6528, 0.2802, 0.4715 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 75.6528, 0.2802, 0.4715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

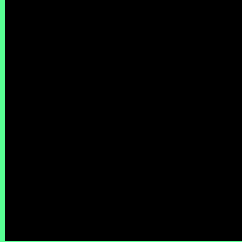
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6528, 0.2802, 0.4715

Background



This preview shows how black text looks on a background with the Yxy color 75.6528, 0.2802, 0.4715.

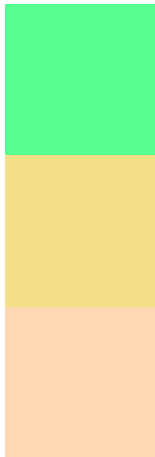


This preview shows how white text looks on a background with the Yxy color 75.6528, 0.2802, 0.4715.

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

75.6528, 0.2802, 0.4715

Protanopia

74.2937, 0.3876, 0.4214

Deuteranopia

74.1404, 0.3684, 0.3682



Tritanopia

75.2489, 0.2523, 0.3106

Trichromacy



Original Color

75.6528, 0.2802, 0.4715



Protanomaly

71.8455, 0.3384, 0.4432



Deuteranomaly

71.4112, 0.3275, 0.4046



Tritanomaly

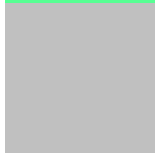
74.6983, 0.2618, 0.3645

Monochromacy



Original Color

75.6528, 0.2802, 0.4715



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6055, 0.2951, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6528, 0.2802, 0.4715 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(87, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 147)  
}
```

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(87, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 147) }
```

Border

The CSS property to change the border of an element to Yxy 75.6528, 0.2802, 0.4715 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(87, 255, 147) }
```

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

```
.border{ border-color:rgb(87, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6528, 0.2802, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 147) }
```

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

```
.background{ background-color: rgb(87, 255,  
147) }
```

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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