

Converting Colors

$Yxy(74.8203, 0.2875, 0.5002)$

Have a look what the booklet for
Yxy(74.8203, 0.2875, 0.5002)
contains.

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Color

Yxy(74.8202, 0.2872, 0.4997)

Conversions

Conversions Part 1

Format	Color
Hex	52FF7E
RGB	82, 255, 126
RGB Percent	32%, 100%, 49%
CMY	0.6785, 0.0000, 0.5059
CMYK	0.68, 0.00, 0.51, 0.00
HSL	135°, 100%, 66%
HSV	135°, 68%, 100%
XYZ	43.0025, 74.8202, 31.9075
YIQ	188.5670, -61.6990, -76.7950

Conversions

Conversions Part 2

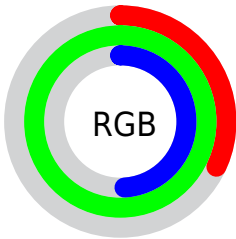
Format	Color
RYB	82, 220, 255
Decimal	5439358
CIELab	89.31, -70.07, 48.72
CIELCh	89, 85.347, 145.188
Yxy	74.8202, 0.2872, 0.4997
Android (android.graphics.Color)	4283629438 (0xFF52FF7E)
YUV	188.5670, -30.8455, -93.4593
Hunter-Lab	86.4987, -62.6320, 38.6783

Details

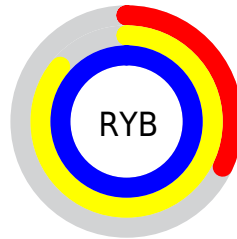
The Yxy color **74.8202, 0.2872, 0.4997** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **31.9925, 0.3665, 0.2093**, and the grayscale version is **50.8276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3402, 0.2915, 0.4183**, and **40.4135, 0.2839, 0.5420** is the 20% darker color. If you saturate the color by 10%, you get **73.4353, 0.2873, 0.5265**, and if you desaturate by 10%, it is **76.7193, 0.2886, 0.4712**.

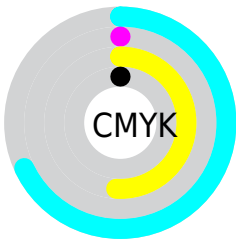
Distribution



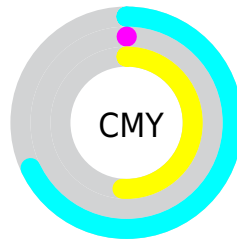
- Red (32%)
- Green (100%)
- Blue (49%)



- Red (32%)
- Yellow (86%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8202, 0.2872, 0.4997 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 74.8202, 0.2872, 0.4997 by changing the saturation by 10% instead.

 74.8202, 0.2872,
0.4997


 74.8202, 0.2872,
0.4997


477.2993, 0.3034,
0.4143


 55.4656, 0.2823,
0.5204


 126.0578, 0.2938,
0.4690

 39.7746, 0.2755,
0.5465


 158.7096, 0.2961,
0.4573

 27.3629, 0.2658,
0.5801


 196.5626, 0.2979,
0.4474

 17.8459, 0.2515,
0.6244

 240.0012, 0.2994,
0.4389

 10.8394, 0.2289,
0.6840

289.4098, 0.3007,
0.4316

 5.9590, 0.1970,
0.7863

345.1727, 0.3017,

 2.8201, 0.1022,

0.4251

0.8978

407.6745, 0.3026,
0.4194

■ 1.0386, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.8202, 0.2872,
0.4997

■ 74.8202, 0.2872,
0.4997

■ 73.4353, 0.2873,
0.5265

■ 76.7193, 0.2886,
0.4712

■ 72.5147, 0.2889,
0.5501

■ 79.1848, 0.2913,
0.4424

■ 71.9843, 0.2918,
0.5692

■ 82.2568, 0.2949,
0.4147

■ 71.9001, 0.2924,
0.5728

■ 85.9727, 0.2993,
0.3887

 90.3672, 0.3040,
0.3651

 95.4722, 0.3089,
0.3439

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.



74.8202, 0.3802, 0.5137



74.8202, 0.2872, 0.4997



74.8202, 0.2061, 0.4040

Triad

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



74.8202, 0.2872, 0.4997



74.8202, 0.1693, 0.1868



74.8202, 0.4944, 0.3247

Complementary

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



74.8202, 0.2872, 0.4997



31.9925, 0.3665, 0.2093

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.



74.8202, 0.4172, 0.2622



74.8202, 0.2872, 0.4997



74.8202, 0.2238, 0.1869

Square

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



74.8202, 0.2872, 0.4997



74.8202, 0.1478, 0.2186



74.8202, 0.3122, 0.2135



74.8202, 0.5076, 0.3933

Rectangle

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



74.8202, 0.2872, 0.4997



74.8202, 0.1701, 0.3264



74.8202, 0.3122, 0.2135



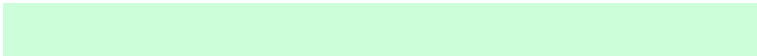
74.8202, 0.4748, 0.3029

Sweetspot

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



74.8184, 0.2872, 0.4997



89.3657, 0.3029, 0.3699



86.0875, 0.3749, 0.5015



18.8576, 0.3016, 0.3765



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.



74.8184, 0.2872, 0.4997



73.0988, 0.2877, 0.5344



78.0530, 0.2509, 0.3833



20.2440, 0.3081, 0.3472



37.5895, 0.2917, 0.5701



3.6767, 0.2858, 0.5489

Inverse Universe

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



31.9925, 0.3665, 0.2093



27.6969, 0.3803, 0.1986



28.7765, 0.4833, 0.2899



18.2168, 0.3177, 0.3114



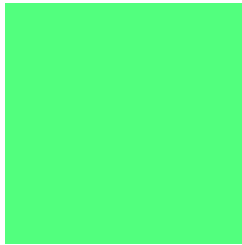
13.0799, 0.3981, 0.1966



1.2912, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 74.8202, 0.2872, 0.4997 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 74.8202, 0.2872, 0.4997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

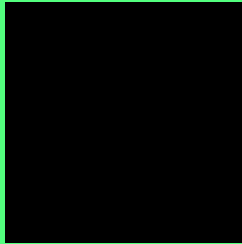
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8202, 0.2872, 0.4997

Background



This preview shows how black text looks on a background with the Yxy color 74.8202, 0.2872, 0.4997.

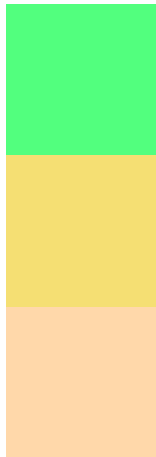


This preview shows how white text looks on a background with the Yxy color 74.8202, 0.2872, 0.4997.

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

74.8202, 0.2872, 0.4997

Protanopia

73.4256, 0.4010, 0.4386

Deuteranopia

73.2740, 0.3753, 0.3764



Tritanopia

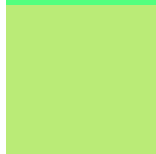
74.2087, 0.2499, 0.3093

Trichromacy



Original Color

74.8202, 0.2872, 0.4997



Protanomaly

71.1877, 0.3486, 0.4657



Deuteranomaly

70.1332, 0.3342, 0.4195



Tritanomaly

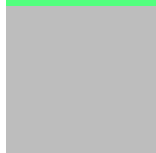
73.3204, 0.2633, 0.3740

Monochromacy



Original Color

74.8202, 0.2872, 0.4997



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.8257, 0.2986, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8202, 0.2872, 0.4997 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(82, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 126)  
}
```

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(82, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 74.8202, 0.2872, 0.4997 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(82, 255, 126) }
```

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

```
.border{ border-color:rgb(82, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8202, 0.2872, 0.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 126) }
```

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

```
.background{ background-color: rgb(82, 255,  
126) }
```

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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