

Converting Colors

$Y_{xy}(75.2309, 0.2871, 0.4923)$

Have a look what the booklet for
Yxy(75.2309, 0.2871, 0.4923)
contains.

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Color

Yxy(75.2334, 0.2872, 0.4924)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 58FF83 |
| RGB | 88, 255, 131 |
| RGB Percent | 35%, 100%, 51% |
| CMY | 0.6548, 0.0000, 0.4863 |
| CMYK | 0.65, 0.00, 0.49, 0.00 |
| HSL | 135°, 100%, 67% |
| HSV | 135°, 65%, 100% |
| XYZ | 43.8811, 75.2334, 33.6747 |
| YIQ | 190.9310, -59.7280, -73.9680 |

Conversions

Conversions Part 2

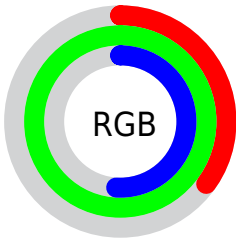
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 88, 221, 255 |
| Decimal | 5832579 |
| CIELab | 89.50, -68.31, 46.65 |
| CIELCh | 90, 82.718, 145.671 |
| Yxy | 75.2334, 0.2872, 0.4924 |
| Android (android.graphics.Color) | 4284022659 (0xFF58FF83) |
| YUV | 190.9310, -29.5460, -90.2705 |
| Hunter-Lab | 86.7372, -61.4855, 37.6974 |

Details

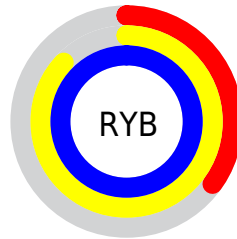
The Yxy color **75.2334, 0.2872, 0.4924** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **32.9967, 0.3646, 0.2125**, and the grayscale version is **52.2598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9352, 0.2911, 0.4115**, and **40.4826, 0.2818, 0.5346** is the 20% darker color. If you saturate the color by 10%, you get **73.7317, 0.2869, 0.5197**, and if you desaturate by 10%, it is **77.2644, 0.2889, 0.4638**.

Distribution



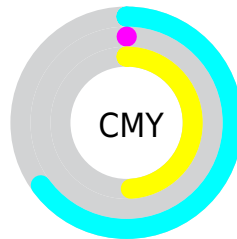
- Red (35%)
- Green (100%)
- Blue (51%)



- Red (35%)
- Yellow (87%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2334, 0.2872, 0.4924 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 75.2334, 0.2872, 0.4924 by changing the saturation by 10% instead.


 75.2334, 0.2872,
0.4924


 75.2334, 0.2872,
0.4924

478.7194, 0.3030,
0.4108


 55.8041, 0.2825,
0.5122


 126.6427, 0.2936,
0.4631


 40.0459, 0.2760,
0.5372


 159.3915, 0.2958,
0.4520

 27.5743, 0.2669,
0.5693


 197.3489, 0.2976,
0.4425

 18.0050, 0.2534,
0.6119

 240.8994, 0.2991,
0.4344

 10.9536, 0.2321,
0.6697

290.4273, 0.3003,
0.4273

 6.0356, 0.2005,
0.7622


346.3170, 0.3013,

 2.8668, 0.1183,


0.4212


0.8817


408.9529, 0.3022,
0.4157


 1.0626, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.2334, 0.2872,
0.4924


 75.2334, 0.2872,
0.4924

 73.7317, 0.2869,
0.5197


 77.2644, 0.2889,
0.4638


 72.7058, 0.2882,
0.5442


 79.8695, 0.2919,
0.4353

 72.0914, 0.2909,
0.5645

 83.0895, 0.2958,
0.4080

 71.9089, 0.2923,
0.5722

 86.9611, 0.3002,
0.3827

 91.5182, 0.3051,
0.3597

 96.7922, 0.3100,
0.3392

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.



75.2334, 0.3778, 0.5084



75.2334, 0.2872, 0.4924



75.2334, 0.2084, 0.3997

Triad

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



75.2334, 0.2872, 0.4924



75.2334, 0.1735, 0.1903



75.2334, 0.4894, 0.3265

Complementary

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



75.2334, 0.2872, 0.4924



32.9967, 0.3646, 0.2125

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.



75.2334, 0.4155, 0.2651



75.2334, 0.2872, 0.4924



75.2334, 0.2275, 0.1907

Square

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



75.2334, 0.2872, 0.4924



75.2334, 0.1520, 0.2212



75.2334, 0.3140, 0.2171



75.2334, 0.5017, 0.3938

Rectangle

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



75.2334, 0.2872, 0.4924



75.2334, 0.1735, 0.3252



75.2334, 0.3140, 0.2171



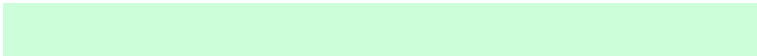
75.2334, 0.4706, 0.3051

Sweetspot

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



75.2337, 0.2872, 0.4924



89.3736, 0.3029, 0.3698



86.4089, 0.3739, 0.4968



18.8594, 0.3015, 0.3763



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.



75.2337, 0.2872, 0.4924



73.3198, 0.2872, 0.5287



78.4124, 0.2519, 0.3811



20.2449, 0.3080, 0.3471



37.5943, 0.2915, 0.5695



3.6773, 0.2856, 0.5482

Inverse Universe

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



32.9967, 0.3646, 0.2125



28.1761, 0.3790, 0.2002



29.8470, 0.4741, 0.2903



18.2158, 0.3178, 0.3115



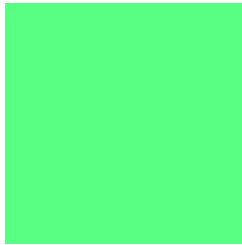
13.0629, 0.3991, 0.1972



1.2897, 0.3882, 0.1912

Previews

White Background



This preview shows how the Yxy color 75.2334, 0.2872, 0.4924 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 75.2334, 0.2872, 0.4924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

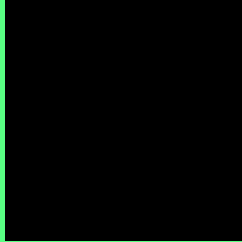
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2334, 0.2872, 0.4924

Background



This preview shows how black text looks on a background with the Yxy color 75.2334, 0.2872, 0.4924.

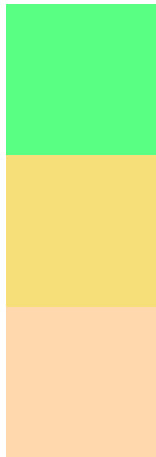


This preview shows how white text looks on a background with the Yxy color 75.2334, 0.2872, 0.4924.

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

75.2334, 0.2872, 0.4924

Protanopia

73.7242, 0.3989, 0.4338

Deuteranopia

73.3889, 0.3731, 0.3734



Tritanopia

74.4801, 0.2512, 0.3094

Trichromacy



Original Color

75.2334, 0.2872, 0.4924



Protanomaly

71.6907, 0.3481, 0.4594



Deuteranomaly

70.5316, 0.3332, 0.4144



Tritanomaly

73.7145, 0.2641, 0.3712

Monochromacy



Original Color

75.2334, 0.2872, 0.4924



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.8277, 0.2995, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2334, 0.2872, 0.4924 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(88, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 131)  
}
```

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(88, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 131) }
```

Border

The CSS property to change the border of an element to Yxy 75.2334, 0.2872, 0.4924 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(88, 255, 131) }
```

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

```
.border{ border-color:rgb(88, 255, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2334, 0.2872, 0.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 131) }
```

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

```
.background{ background-color: rgb(88, 255,  
131) }
```

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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