

Converting Colors

$Y_{xy}(71.3543, 0.2634, 0.4572)$

Have a look what the booklet for
Yxy(71.3543, 0.2634, 0.4572)
contains.

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Color

Yxy(71.1806, 0.2634, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	24FA9D
RGB	36, 250, 157
RGB Percent	14%, 98%, 62%
CMY	0.8587, 0.0196, 0.3843
CMYK	0.86, 0.00, 0.37, 0.02
HSL	154°, 96%, 56%
HSV	154°, 86%, 98%
XYZ	40.9993, 71.1806, 43.4742
YIQ	175.4120, -97.6910, -74.2910

Conversions

Conversions Part 2

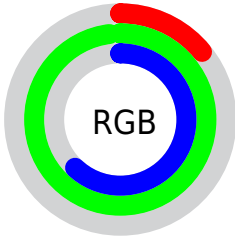
Format	Color
RYB	36, 173, 250
Decimal	2423453
CIELab	87.57, -68.64, 31.30
CIELCh	88, 75.445, 155.487
Yxy	71.1806, 0.2634, 0.4573
Android (android.graphics.Color)	4280613533 (0xFF24FA9D)
YUV	175.4120, -9.0771, -122.2643
Hunter-Lab	84.3686, -60.9022, 28.5066

Details

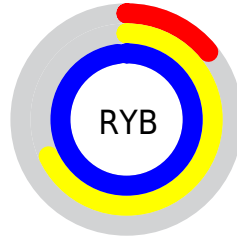
The Yxy color **71.1806, 0.2634, 0.4573** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.1747, 0.4884, 0.2571**, and the grayscale version is **43.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4110, 0.2639, 0.3812**, and **38.7192, 0.2681, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **70.5243, 0.2656, 0.4739**, and if you desaturate by 10%, it is **72.1889, 0.2632, 0.4402**.

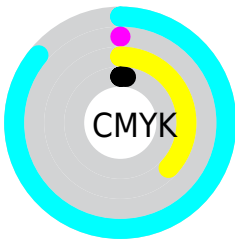
Distribution



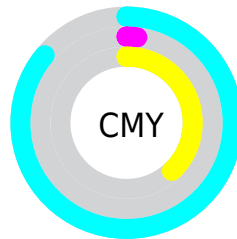
- Red (14%)
- Green (98%)
- Blue (62%)



- Red (14%)
- Yellow (68%)
- Blue (98%)



- Cyan (86%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (86%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1806, 0.2634, 0.4573 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 71.1806, 0.2634, 0.4573 by changing the saturation by 10% instead.


 71.1806, 0.2634,
0.4573


 71.1806, 0.2634,
0.4573


464.6845, 0.2887,
0.3929


 52.4896, 0.2570,
0.4732


 120.8908, 0.2727,
0.4340

 37.3955, 0.2488,
0.4935


 152.6789, 0.2761,
0.4252

 25.5138, 0.2378,
0.5201


 189.6014, 0.2790,
0.4177

 16.4603, 0.2227,
0.5564

 232.0427, 0.2815,
0.4114

 9.8505, 0.2006,
0.6081

 280.3873, 0.2837,
0.4058

 5.2999, 0.1664,
0.6854


335.0195, 0.2856,


 2.4243, 0.0667,


0.4010


0.9333


396.3238, 0.2872,
0.3967


 0.8383, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.1806, 0.2634,
0.4573


 71.1806, 0.2634,
0.4573


 70.5243, 0.2656,
0.4739

 72.1889, 0.2632,
0.4402


 70.3065, 0.2669,
0.4810


 73.5975, 0.2651,
0.4229


 75.4556, 0.2690,
0.4060


 77.8028, 0.2746,
0.3896

 80.6743, 0.2815,
0.3742

 84.1020, 0.2895,
0.3599

 88.1150, 0.2983,
0.3468

 92.7406, 0.3075,
0.3350

 96.8407, 0.3131,
0.3244

Harmonies

Analogous

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



71.1806, 0.3478, 0.4988



71.1806, 0.2634, 0.4573



71.1806, 0.1972, 0.3606

Triad

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



71.1806, 0.2634, 0.4573



71.1806, 0.1948, 0.1954



71.1806, 0.4880, 0.3487

Complementary

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



71.1806, 0.2634, 0.4573



23.1747, 0.4884, 0.2571

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.



71.1806, 0.4358, 0.2876



71.1806, 0.2634, 0.4573



71.1806, 0.2567, 0.2040

Square

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



71.1806, 0.2634, 0.4573



71.1806, 0.1642, 0.2149



71.1806, 0.3453, 0.2366



71.1806, 0.4815, 0.4134

Rectangle

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



71.1806, 0.2634, 0.4573



71.1806, 0.1714, 0.2962



71.1806, 0.3453, 0.2366



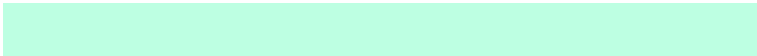
71.1806, 0.4769, 0.3277

Sweetspot

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



71.1834, 0.2634, 0.4573



87.8014, 0.2892, 0.3605



73.4326, 0.3364, 0.5604



18.5145, 0.2863, 0.3654



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.



71.1834, 0.2634, 0.4573



73.5384, 0.2670, 0.4812



69.1900, 0.2231, 0.3154



19.4737, 0.3038, 0.3395



37.3210, 0.2662, 0.4783



3.4779, 0.2608, 0.4588

Inverse Universe

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



23.1747, 0.4884, 0.2571



22.4042, 0.5282, 0.2683



22.4641, 0.6075, 0.3349



17.3505, 0.3225, 0.3187



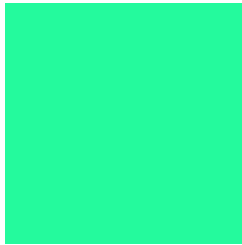
11.3900, 0.5238, 0.2659



1.0758, 0.4937, 0.2494

Previews

White Background



This preview shows how the Yxy color 71.1806, 0.2634, 0.4573 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 71.1806, 0.2634, 0.4573 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 71.1806, 0.2634, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 71.1806, 0.2634, 0.4573.

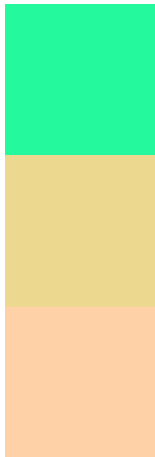


This preview shows how white text looks on a background with the Yxy color 71.1806, 0.2634, 0.4573.

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

71.1806, 0.2634, 0.4573

Protanopia

69.4417, 0.3790, 0.4090

Deuteranopia

69.6509, 0.3799, 0.3726



Tritanopia

70.9142, 0.2358, 0.3073

Trichromacy



Original Color

71.1806, 0.2634, 0.4573



Protanomaly

65.9633, 0.3176, 0.4322



Deuteranomaly

65.0696, 0.3173, 0.4053



Tritanomaly

70.3681, 0.2441, 0.3583

Monochromacy



Original Color

71.1806, 0.2634, 0.4573



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.3533, 0.2797, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1806, 0.2634, 0.4573 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(36, 250, 157)` looks like.

```
.text, #text, p{  
    color:rgb(36, 250, 157)  
}
```

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(36, 250, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 250, 157) }
```

Border

The CSS property to change the border of an element to Yxy 71.1806, 0.2634, 0.4573 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(36, 250, 157) }
```

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

```
.border{ border-color:rgb(36, 250, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 250, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 250, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 250, 157);  
box-shadow:4px 4px 4px 4px rgb(36, 250,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1806, 0.2634, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 250, 157) }
```

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

```
.background{ background-color: rgb(36, 250,  
157) }
```

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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