

Converting Colors

$Yxy(72.1237, 0.2606, 0.4360)$

Have a look what the booklet for
Yxy(72.1237, 0.2606, 0.4360)
contains.

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Color

Yxy(72.1237, 0.2606, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	37FAAB
RGB	55, 250, 171
RGB Percent	22%, 98%, 67%
CMY	0.7848, 0.0196, 0.3293
CMYK	0.78, 0.00, 0.32, 0.02
HSL	156°, 95%, 60%
HSV	156°, 78%, 98%
XYZ	43.1088, 72.1237, 50.1888
YIQ	182.6890, -90.8610, -65.9090

Conversions

Conversions Part 2

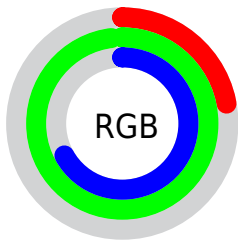
Format	Color
RYB	55, 177, 250
Decimal	3668651
CIELab	88.03, -64.24, 24.86
CIELCh	88, 68.881, 158.840
Yxy	72.1237, 0.2606, 0.4360
Android (android.graphics.Color)	4281858731 (0xFF37FAAB)
YUV	182.6890, -5.7627, -111.9833
Hunter-Lab	84.9257, -58.0122, 24.4091

Details

The Yxy color **72.1237, 0.2606, 0.4360** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.7649, 0.4758, 0.2613**, and the grayscale version is **47.2288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8913, 0.2607, 0.3620**, and **39.0073, 0.2614, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **71.2204, 0.2610, 0.4519**, and if you desaturate by 10%, it is **73.4191, 0.2622, 0.4200**.

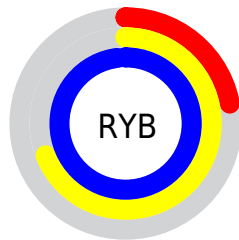
Distribution



Red (22%)

Green (98%)

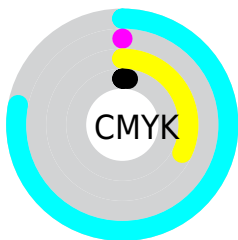
Blue (67%)



Red (22%)

Yellow (69%)

Blue (98%)

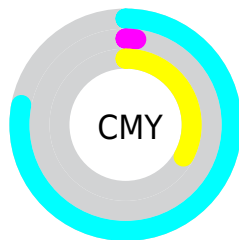


Cyan (78%)

Magenta (0%)

Yellow (32%)

Black (2%)



Cyan (78%)


Magenta (2%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1237, 0.2606, 0.4360 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 72.1237, 0.2606, 0.4360 by changing the saturation by 10% instead.


 72.1237, 0.2606,
0.4360


 72.1237, 0.2606,
0.4360


467.9720, 0.2864,
0.3829


 53.2597, 0.2543,
0.4490


 122.2324, 0.2699,
0.4169


 38.0102, 0.2463,
0.4655


 154.2459, 0.2734,
0.4096

 25.9906, 0.2359,
0.4872

 191.4114, 0.2764,
0.4035

 16.8166, 0.2218,
0.5166

 234.1132, 0.2789,
0.3982

 10.1038, 0.2017,
0.5587

282.7358, 0.2812,
0.3936

 5.4678, 0.1713,
0.6226


337.6635, 0.2831,

 2.5243, 0.1000,


0.3896


0.7678


399.2808, 0.2848,
0.3861


 0.8888, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.1237, 0.2606,
0.4360

 72.1237, 0.2606,
0.4360


 71.2204, 0.2610,
0.4519


 73.4191, 0.2622,
0.4200


 70.6352, 0.2634,
0.4672


 75.1462, 0.2659,
0.4042

 70.5400, 0.2639,
0.4702


 77.3487, 0.2713,
0.3889

 80.0627, 0.2783,
0.3744

 83.3206, 0.2864,
0.3609

 87.1520, 0.2953,
0.3485

 91.5845, 0.3048,
0.3372

 96.6438, 0.3146,
0.3271

 96.8562, 0.3129,
0.3242

Harmonies

Analogous

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



72.1237, 0.3378, 0.4816



72.1237, 0.2606, 0.4360



72.1237, 0.2019, 0.3480

Triad

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



72.1237, 0.2606, 0.4360



72.1237, 0.2090, 0.2050



72.1237, 0.4747, 0.3558

Complementary

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



72.1237, 0.2606, 0.4360



24.7649, 0.4758, 0.2613

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.



72.1237, 0.4323, 0.2977



72.1237, 0.2606, 0.4360



72.1237, 0.2699, 0.2155

Square

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



72.1237, 0.2606, 0.4360



72.1237, 0.1769, 0.2208



72.1237, 0.3526, 0.2483



72.1237, 0.4646, 0.4157

Rectangle

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



72.1237, 0.2606, 0.4360



72.1237, 0.1797, 0.2916



72.1237, 0.3526, 0.2483



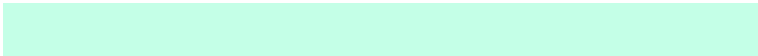
72.1237, 0.4663, 0.3359

Sweetspot

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



72.1266, 0.2606, 0.4360



89.0869, 0.2908, 0.3545



73.9010, 0.3351, 0.5497



18.7666, 0.2876, 0.3591



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.



72.1266, 0.2606, 0.4360



74.0917, 0.2623, 0.4612



66.4140, 0.2237, 0.3084



19.4827, 0.3034, 0.3388



37.4432, 0.2633, 0.4677



3.4889, 0.2582, 0.4493

Inverse Universe

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



24.7649, 0.4758, 0.2613



22.7874, 0.5241, 0.2693



25.1257, 0.5748, 0.3408



17.3417, 0.3230, 0.3194



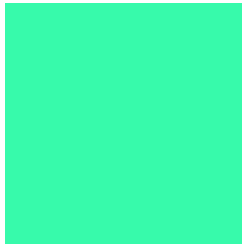
11.3076, 0.5362, 0.2728



1.0677, 0.5048, 0.2555

Previews

White Background



This preview shows how the Yxy color 72.1237, 0.2606, 0.4360 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 72.1237, 0.2606, 0.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

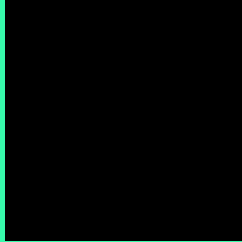
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1237, 0.2606, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 72.1237, 0.2606, 0.4360.

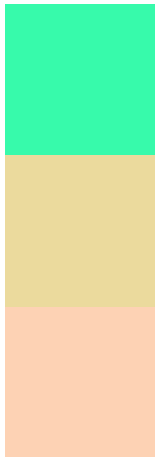


This preview shows how white text looks on a background with the Yxy color 72.1237, 0.2606, 0.4360.

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

72.1237, 0.2606, 0.4360

Protanopia

70.2393, 0.3682, 0.3953

Deuteranopia

70.2711, 0.3681, 0.3603



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



Original Color

72.1237, 0.2606, 0.4360



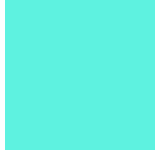
Protanomaly

67.7483, 0.3140, 0.4139



Deuteranomaly

66.8485, 0.3127, 0.3877



Tritanomaly

71.2658, 0.2457, 0.3515

Monochromacy



Original Color

72.1237, 0.2606, 0.4360



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.1146, 0.2810, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1237, 0.2606, 0.4360 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(55, 250, 171)` looks like.

```
.text, #text, p{  
    color:rgb(55, 250, 171)  
}
```

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(55, 250, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 250, 171) }
```

Border

The CSS property to change the border of an element to Yxy 72.1237, 0.2606, 0.4360 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(55, 250, 171) }
```

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

```
.border{ border-color:rgb(55, 250, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 250, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 250, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 250, 171);  
box-shadow:4px 4px 4px 4px rgb(55, 250,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1237, 0.2606, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 250, 171) }
```

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

```
.background{ background-color: rgb(55, 250,  
171) }
```

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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