

Converting Colors

$Y_{xy}(71.1635, 0.2876, 0.5355)$

Have a look what the booklet for
Yxy(71.1635, 0.2876, 0.5355)
contains.

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Color

Yxy(71.1025, 0.2876, 0.5354)

Conversions

Conversions Part 1

Format	Color
Hex	2EFC63
RGB	46, 252, 99
RGB Percent	18%, 99%, 39%
CMY	0.8189, 0.0118, 0.6119
CMYK	0.82, 0.00, 0.61, 0.01
HSL	135°, 97%, 58%
HSV	135°, 82%, 99%
XYZ	38.1940, 71.1025, 23.5061
YIQ	172.9640, -73.6630, -91.2550

Conversions

Conversions Part 2

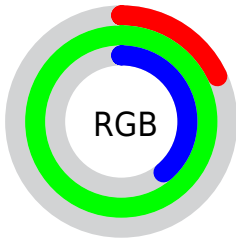
Format	Color
RYB	46, 210, 252
Decimal	3079267
CIELab	87.53, -77.30, 58.53
CIELCh	88, 96.961, 142.869
Yxy	71.1025, 0.2876, 0.5354
Android (android.graphics.Color)	4281269347 (0xFF2EFC63)
YUV	172.9640, -36.4643, -111.3474
Hunter-Lab	84.3223, -66.7119, 42.4977

Details

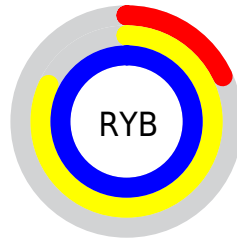
The Yxy color **71.1025, 0.2876, 0.5354** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **26.7976, 0.3815, 0.1987**, and the grayscale version is **42.0151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4423, 0.2936, 0.4561**, and **38.7507, 0.2938, 0.5776** is the 20% darker color. If you saturate the color by 10%, you get **70.3619, 0.2898, 0.5574**, and if you desaturate by 10%, it is **72.2753, 0.2869, 0.5096**.

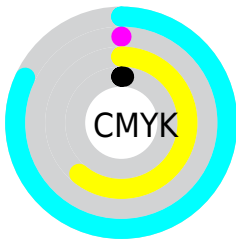
Distribution



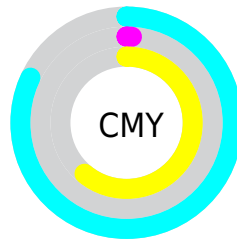
- Red (18%)
- Green (99%)
- Blue (39%)



- Red (18%)
- Yellow (82%)
- Blue (99%)



- Cyan (82%)
- Magenta (0%)
- Yellow (61%)
- Black (1%)





- Cyan (82%)
- Magenta (1%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1025, 0.2876, 0.5354 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 71.1025, 0.2876, 0.5354 by changing the saturation by 10% instead.


 71.1025, 0.2876,
0.5354

 71.1025, 0.2876,
0.5354

464.4117, 0.3060,
0.4309


 52.4258, 0.2814,
0.5607

 120.7797, 0.2955,
0.4978


 37.3446, 0.2727,
0.5924


 152.5490, 0.2981,
0.4835

 25.4744, 0.2599,
0.6326


 189.4513, 0.3002,
0.4714

 16.4309, 0.2405,
0.6843

 231.8710, 0.3018,
0.4610

 9.8296, 0.2112,
0.7556

280.1925, 0.3032,
0.4520

 5.2861, 0.1620,
0.8380


334.8002, 0.3043,

 2.4161, 0.0000,


0.4441


1.0000


396.0784, 0.3052,
0.4371


 0.8341, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.1025, 0.2876,
0.5354


 71.1025, 0.2876,
0.5354


 70.3619, 0.2898,
0.5574


 72.2753, 0.2869,
0.5096


 69.9973, 0.2923,
0.5722


 73.9289, 0.2878,
0.4816

 76.1147, 0.2900,
0.4529

 78.8746, 0.2933,
0.4247

 82.2467, 0.2975,
0.3981

 86.2655, 0.3021,
0.3737

 90.9629, 0.3070,
0.3516

 96.3688, 0.3119,
0.3320

 98.1000, 0.3128,
0.3261

Harmonies

Analogous

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



71.1025, 0.3911, 0.5361



71.1025, 0.2876, 0.5354



71.1025, 0.1959, 0.4270

Triad

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



71.1025, 0.2876, 0.5354



71.1025, 0.1498, 0.1711



71.1025, 0.5171, 0.3147

Complementary

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



71.1025, 0.2876, 0.5354



26.7976, 0.3815, 0.1987

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.



71.1025, 0.4235, 0.2480



71.1025, 0.2876, 0.5354



71.1025, 0.2058, 0.1698

Square

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



71.1025, 0.2876, 0.5354



71.1025, 0.1291, 0.2071



71.1025, 0.3019, 0.1967



71.1025, 0.5344, 0.3885

Rectangle

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



71.1025, 0.2876, 0.5354



71.1025, 0.1552, 0.3334



71.1025, 0.3019, 0.1967



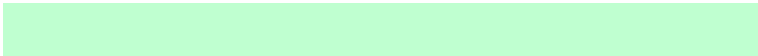
71.1025, 0.4930, 0.2915

Sweetspot

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



71.1054, 0.2876, 0.5354



87.1631, 0.3005, 0.3816



82.1734, 0.3780, 0.5241



18.3464, 0.2989, 0.3902



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.



71.1054, 0.2876, 0.5354



71.9849, 0.2917, 0.5691



74.4009, 0.2474, 0.3963



19.3823, 0.3080, 0.3471



36.4829, 0.2915, 0.5696



3.3954, 0.2853, 0.5471

Inverse Universe

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



26.7976, 0.3815, 0.1987



25.1285, 0.3984, 0.1975



23.5390, 0.5375, 0.2921



17.4441, 0.3177, 0.3115



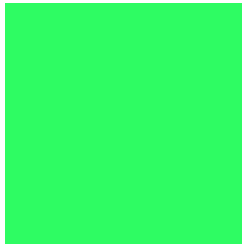
12.6831, 0.3987, 0.1970



1.1918, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 71.1025, 0.2876, 0.5354 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 71.1025, 0.2876, 0.5354 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 71.1025, 0.2876, 0.5354

Background



This preview shows how black text looks on a background with the Yxy color 71.1025, 0.2876, 0.5354.

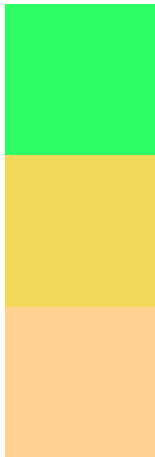


This preview shows how white text looks on a background with the Yxy color 71.1025, 0.2876, 0.5354.

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

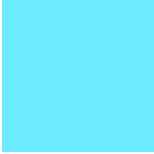
71.1025, 0.2876, 0.5354

Protanopia

69.2242, 0.4162, 0.4556

Deuteranopia

69.4913, 0.3937, 0.3929



Tritanopia

70.5259, 0.2365, 0.3062

Trichromacy



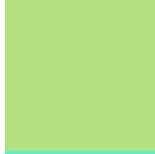
Original Color

71.1025, 0.2876, 0.5354



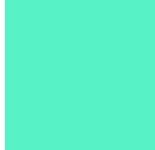
Protanomaly

66.0419, 0.3520, 0.4938



Deuteranomaly

65.0458, 0.3402, 0.4466



Tritanomaly

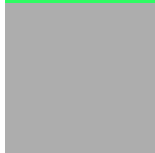
69.6077, 0.2550, 0.3869

Monochromacy



Original Color

71.1025, 0.2876, 0.5354



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

48.8284, 0.2955, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1025, 0.2876, 0.5354 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(46, 252, 99)` looks like.

```
.text, #text, p{  
    color:rgb(46, 252, 99)  
}
```

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(46, 252, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 252, 99) }
```

Border

The CSS property to change the border of an element to Yxy 71.1025, 0.2876, 0.5354 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(46, 252, 99) }
```

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

```
.border{ border-color:rgb(46, 252, 99) }
```

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

Here you see how a box with a 4 pixel rgb(46, 252, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 252, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 252, 99);  
box-shadow:4px 4px 4px 4px rgb(46, 252,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1025, 0.2876, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 252, 99) }
```

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

```
.background{ background-color: rgb(46, 252,  
99) }
```

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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