

Converting Colors

$Y_{xy}(73.2582, 0.2881, 0.5318)$

Have a look what the booklet for
Yxy(73.2582, 0.2881, 0.5318)
contains.

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Color

Yxy(73.2835, 0.2881, 0.5314)

Conversions

Conversions Part 1

Format	Color
Hex	36FF67
RGB	54, 255, 103
RGB Percent	21%, 100%, 40%
CMY	0.7882, 0.0000, 0.5959
CMYK	0.79, 0.00, 0.60, 0.00
HSL	135°, 100%, 61%
HSV	135°, 79%, 100%
XYZ	39.7309, 73.2835, 24.8921
YIQ	177.5730, -71.0040, -89.8840

Conversions

Conversions Part 2

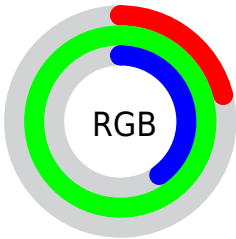
Format	Color
RYB	54, 216, 255
Decimal	3604327
CIELab	88.58, -76.94, 58.02
CIELCh	89, 96.363, 142.977
Yxy	73.2835, 0.2881, 0.5314
Android (android.graphics.Color)	4281794407 (0xFF36FF67)
YUV	177.5730, -36.7645, -108.3735
Hunter-Lab	85.6058, -66.9657, 42.6839

Details

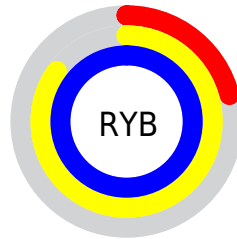
The Yxy color **73.2835, 0.2881, 0.5314** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.3530, 0.3753, 0.1982**, and the grayscale version is **44.5117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9752, 0.2941, 0.4501**, and **40.1377, 0.2927, 0.5736** is the 20% darker color. If you saturate the color by 10%, you get **72.4104, 0.2898, 0.5546**, and if you desaturate by 10%, it is **74.6169, 0.2879, 0.5047**.

Distribution



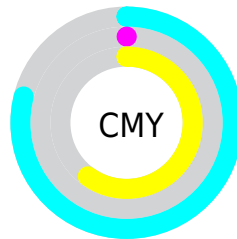
- Red (21%)
- Green (100%)
- Blue (40%)



- Red (21%)
- Yellow (85%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2835, 0.2881, 0.5314 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 73.2835, 0.2881, 0.5314 by changing the saturation by 10% instead.

 73.2835, 0.2881,
0.5314


 73.2835, 0.2881,
0.5314


471.9968, 0.3059,
0.4295


 54.2078, 0.2822,
0.5560


 123.8796, 0.2957,
0.4948


 38.7678, 0.2739,
0.5867


 156.1688, 0.2983,
0.4809

 26.5792, 0.2618,
0.6257


 193.6313, 0.3003,
0.4691

 17.2574, 0.2434,
0.6758

 236.6514, 0.3019,
0.4589

 10.4182, 0.2151,
0.7425

285.6137, 0.3032,
0.4501

 5.6771, 0.1701,
0.8299


340.9024, 0.3042,

 2.6497, 0.0283,


0.4424


0.9717


402.9019, 0.3051,
0.4356


 0.9517, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.2835, 0.2881,
0.5314


 73.2835, 0.2881,
0.5314

 72.4104, 0.2898,
0.5546


 74.6169, 0.2879,
0.5047

 71.9150, 0.2927,
0.5729

 76.4643, 0.2891,
0.4760

 71.8701, 0.2930,
0.5748

 78.8744, 0.2916,
0.4469

 81.8897, 0.2951,
0.4186

■ 85.5482, 0.2992,
0.3920

■ 89.8850, 0.3038,
0.3678

■ 94.9324, 0.3085,
0.3461

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.



73.2835, 0.3904, 0.5335



73.2835, 0.2881, 0.5314



73.2835, 0.1975, 0.4248

Triad

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



73.2835, 0.2881, 0.5314



73.2835, 0.1519, 0.1730



73.2835, 0.5141, 0.3156

Complementary

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



73.2835, 0.2881, 0.5314



28.3530, 0.3753, 0.1982

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.



73.2835, 0.4222, 0.2494



73.2835, 0.2881, 0.5314



73.2835, 0.2075, 0.1717

Square

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



73.2835, 0.2881, 0.5314



73.2835, 0.1312, 0.2087



73.2835, 0.3026, 0.1984



73.2835, 0.5314, 0.3888

Rectangle

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



73.2835, 0.2881, 0.5314



73.2835, 0.1571, 0.3332



73.2835, 0.3026, 0.1984



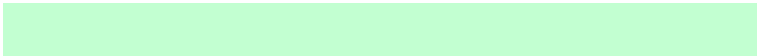
73.2835, 0.4905, 0.2925

Sweetspot

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



73.2844, 0.2881, 0.5314



87.5530, 0.3014, 0.3801



85.2108, 0.3801, 0.5186



18.4196, 0.2998, 0.3889



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.



73.2844, 0.2881, 0.5314



72.0696, 0.2915, 0.5665



76.5402, 0.2491, 0.3983



20.2408, 0.3082, 0.3475



37.5732, 0.2923, 0.5722



3.6747, 0.2865, 0.5513

Inverse Universe

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



28.3530, 0.3753, 0.1982



25.5224, 0.3911, 0.1945



24.9728, 0.5217, 0.2879



18.2201, 0.3176, 0.3112



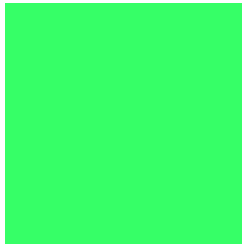
13.1406, 0.3943, 0.1946



1.2967, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 73.2835, 0.2881, 0.5314 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 73.2835, 0.2881, 0.5314 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 73.2835, 0.2881, 0.5314

Background



This preview shows how black text looks on a background with the Yxy color 73.2835, 0.2881, 0.5314.

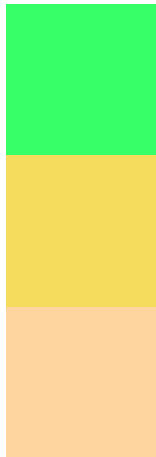


This preview shows how white text looks on a background with the Yxy color 73.2835, 0.2881, 0.5314.

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

73.2835, 0.2881, 0.5314

Protanopia

71.3892, 0.4146, 0.4538

Deuteranopia

71.3517, 0.3844, 0.3847



Tritanopia

72.3776, 0.2434, 0.3078

Trichromacy



Original Color

73.2835, 0.2881, 0.5314



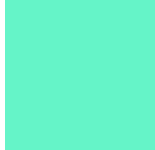
Protanomaly

68.3710, 0.3527, 0.4902



Deuteranomaly

67.2960, 0.3364, 0.4379



Tritanomaly

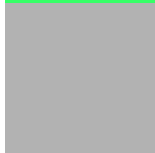
71.6382, 0.2592, 0.3857

Monochromacy



Original Color

73.2835, 0.2881, 0.5314



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.3635, 0.2965, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2835, 0.2881, 0.5314 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(54, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(54, 255, 103)  
}
```

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(54, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 103) }
```

Border

The CSS property to change the border of an element to Yxy 73.2835, 0.2881, 0.5314 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(54, 255, 103) }
```

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

```
.border{ border-color:rgb(54, 255, 103) }
```

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

Here you see how a box with a 4 pixel rgb(54, 255, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(54, 255,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2835, 0.2881, 0.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 255, 103) }
```

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

```
.background{ background-color: rgb(54, 255,  
103) }
```

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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