

Converting Colors

$Y_{xy}(73.5239, 0.2839, 0.5175)$

Have a look what the booklet for
Yxy(73.5239, 0.2839, 0.5175)
contains.

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Color

Yxy(73.5147, 0.2837, 0.5173)

Conversions

Conversions Part 1

Format	Color
Hex	35FF73
RGB	53, 255, 115
RGB Percent	21%, 100%, 45%
CMY	0.7926, 0.0000, 0.5491
CMYK	0.79, 0.00, 0.55, 0.00
HSL	138°, 100%, 60%
HSV	138°, 79%, 100%
XYZ	40.3173, 73.5147, 28.2804
YIQ	178.6420, -75.4520, -86.3640

Conversions

Conversions Part 2

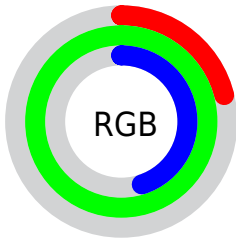
Format	Color
RYB	53, 208, 255
Decimal	3538803
CIELab	88.69, -75.58, 52.90
CIElCh	89, 92.252, 145.011
Yxy	73.5147, 0.2837, 0.5173
Android (android.graphics.Color)	4281728883 (0xFF35FF73)
YUV	178.6420, -31.3755, -110.1880
Hunter-Lab	85.7407, -66.1114, 40.4625

Details

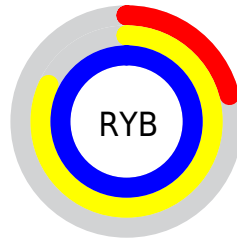
The Yxy color **73.5147, 0.2837, 0.5173** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.6405, 0.3927, 0.2082**, and the grayscale version is **45.0577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3278, 0.2879, 0.4348**, and **40.2694, 0.2883, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **72.6274, 0.2857, 0.5404**, and if you desaturate by 10%, it is **74.8397, 0.2834, 0.4917**.

Distribution



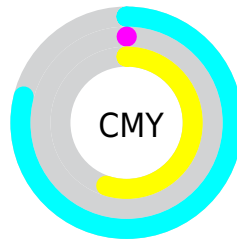
- Red (21%)
- Green (100%)
- Blue (45%)



- Red (21%)
- Yellow (82%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5147, 0.2837, 0.5173 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 73.5147, 0.2837, 0.5173 by changing the saturation by 10% instead.


 73.5147, 0.2837,
0.5173


 73.5147, 0.2837,
0.5173

472.7967, 0.3025,
0.4225


 54.3969, 0.2779,
0.5404

 124.2076, 0.2914,
0.4831

 38.9191, 0.2698,
0.5694


 156.5516, 0.2941,
0.4702

 26.6968, 0.2583,
0.6065


 194.0730, 0.2962,
0.4592

 17.3456, 0.2412,
0.6551

 237.1564, 0.2980,
0.4497

 10.4812, 0.2144,
0.7193

286.1860, 0.2994,
0.4416

 5.7192, 0.1758,
0.8242


341.5464, 0.3006,

 2.6751, 0.0436,


0.4344


0.9564

403.6218, 0.3016,
0.4281

 0.9646, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.5147, 0.2837,
0.5173

 73.5147, 0.2837,
0.5173


 72.6274, 0.2857,
0.5404

 74.8397, 0.2834,
0.4917

 72.1063, 0.2890,
0.5598

 76.6681, 0.2848,
0.4648

 72.0752, 0.2892,
0.5611

 79.0434, 0.2877,
0.4378

 82.0067, 0.2917,
0.4119

■ 85.5955, 0.2965,
0.3876

■ 89.8436, 0.3019,
0.3654

■ 94.7827, 0.3075,
0.3454

■ 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.



73.5147, 0.3828, 0.5282



73.5147, 0.2837, 0.5173



73.5147, 0.1975, 0.4115

Triad

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



73.5147, 0.2837, 0.5173



73.5147, 0.1596, 0.1772



73.5147, 0.5093, 0.3218

Complementary

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



73.5147, 0.2837, 0.5173



27.6405, 0.3927, 0.2082

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.



73.5147, 0.4252, 0.2565



73.5147, 0.2837, 0.5173



73.5147, 0.2165, 0.1776

Square

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



73.5147, 0.2837, 0.5173



73.5147, 0.1373, 0.2100



73.5147, 0.3108, 0.2055



73.5147, 0.5220, 0.3938

Rectangle

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



73.5147, 0.2837, 0.5173



73.5147, 0.1599, 0.3255



73.5147, 0.3108, 0.2055



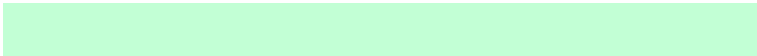
73.5147, 0.4882, 0.2991

Sweetspot

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



73.5112, 0.2837, 0.5173



87.7470, 0.2993, 0.3756



83.2935, 0.3709, 0.5259



18.4654, 0.2974, 0.3837



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.



73.5112, 0.2837, 0.5173



72.2950, 0.2875, 0.5520



77.1581, 0.2437, 0.3803



20.2601, 0.3073, 0.3459



37.6841, 0.2884, 0.5582



3.6877, 0.2822, 0.5359

Inverse Universe

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



27.6405, 0.3927, 0.2082



24.8595, 0.4133, 0.2068



24.5909, 0.5432, 0.3002



18.1997, 0.3185, 0.3127



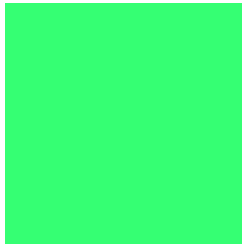
12.7879, 0.4176, 0.2074



1.2647, 0.4038, 0.1998

Previews

White Background



This preview shows how the Yxy color 73.5147, 0.2837, 0.5173 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 73.5147, 0.2837, 0.5173 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 73.5147, 0.2837, 0.5173

Background



This preview shows how black text looks on a background with the Yxy color 73.5147, 0.2837, 0.5173.

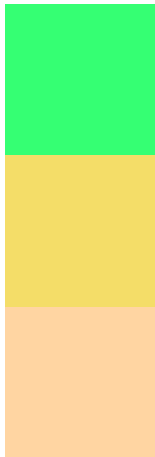


This preview shows how white text looks on a background with the Yxy color 73.5147, 0.2837, 0.5173.

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

73.5147, 0.2837, 0.5173

Protanopia

71.9455, 0.4075, 0.4465

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

73.0362, 0.2440, 0.3090

Trichromacy



Original Color

73.5147, 0.2837, 0.5173



Protanomaly

68.4745, 0.3468, 0.4795



Deuteranomaly

67.4762, 0.3328, 0.4306



Tritanomaly

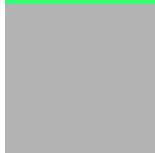
71.8277, 0.2574, 0.3803

Monochromacy



Original Color

73.5147, 0.2837, 0.5173



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.0125, 0.2934, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5147, 0.2837, 0.5173 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(53, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 115)  
}
```

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(53, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 73.5147, 0.2837, 0.5173 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(53, 255, 115) }
```

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

```
.border{ border-color:rgb(53, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
115) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.5147, 0.2837, 0.5173$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 115) }
```

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

```
.background{ background-color: rgb(53, 255,  
115) }
```

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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