

Converting Colors

$Y_{xy}(73.1280, 0.2886, 0.5358)$

Have a look what the booklet for
Yxy(73.1280, 0.2886, 0.5358)
contains.

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Color

Yxy(73.1247, 0.2888, 0.5363)

Conversions

Conversions Part 1

Format	Color
Hex	33FF63
RGB	51, 255, 99
RGB Percent	20%, 100%, 39%
CMY	0.8000, 0.0000, 0.6117
CMYK	0.80, 0.00, 0.61, 0.00
HSL	134°, 100%, 60%
HSV	134°, 80%, 100%
XYZ	39.3780, 73.1247, 23.8477
YIQ	176.2200, -71.5080, -91.7640

Conversions

Conversions Part 2

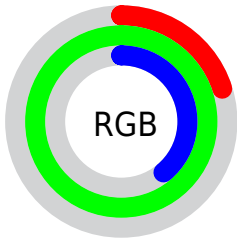
Format	Color
RYB	51, 216, 255
Decimal	3407715
CIELab	88.51, -77.72, 59.63
CIELCh	89, 97.958, 142.504
Yxy	73.1247, 0.2888, 0.5363
Android (android.graphics.Color)	4281597795 (0xFF33FF63)
YUV	176.2200, -38.0695, -109.8179
Hunter-Lab	85.5130, -67.4500, 43.3244

Details

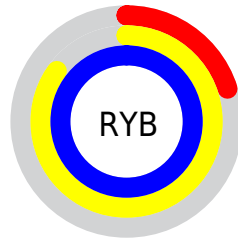
The Yxy color **73.1247, 0.2888, 0.5363** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.1317, 0.3743, 0.1961**, and the grayscale version is **43.7685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6784, 0.2950, 0.4556**, and **40.0997, 0.2940, 0.5783** is the 20% darker color. If you saturate the color by 10%, you get **72.3053, 0.2906, 0.5589**, and if you desaturate by 10%, it is **74.3975, 0.2884, 0.5098**.

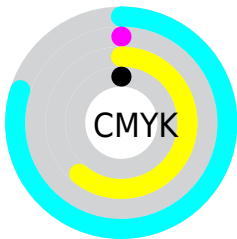
Distribution



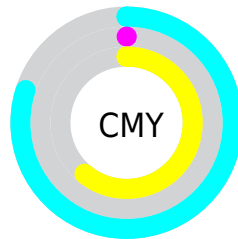
- Red (20%)
- Green (100%)
- Blue (39%)



- Red (20%)
- Yellow (85%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1247, 0.2888, 0.5363 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 73.1247, 0.2888, 0.5363 by changing the saturation by 10% instead.


 73.1247, 0.2888,
0.5363


 73.1247, 0.2888,
0.5363


471.4469, 0.3066,
0.4320

 54.0779, 0.2828,
0.5614


 123.6542, 0.2965,
0.4988

 38.6640, 0.2742,
0.5927


 155.9058, 0.2991,
0.4846

 26.4984, 0.2617,
0.6323


 193.3277, 0.3011,
0.4725

 17.1969, 0.2428,
0.6830

 236.3044, 0.3027,
0.4621

 10.3750, 0.2141,
0.7516

285.2203, 0.3040,
0.4530

 5.6483, 0.1667,
0.8333


340.4597, 0.3050,

 2.6324, 0.0187,

0.4451


0.9813


402.4071, 0.3059,
0.4382

 0.9430, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.1247, 0.2888,
0.5363


 73.1247, 0.2888,
0.5363


 72.3053, 0.2906,
0.5589


 74.3975, 0.2884,
0.5098

 71.8465, 0.2935,
0.5764

 76.1803, 0.2894,
0.4811

 71.8465, 0.2935,
0.5764

 78.5225, 0.2917,
0.4517

 81.4671, 0.2950,
0.4229

■ 85.0530, 0.2991,
0.3958

■ 89.3156, 0.3035,
0.3710

■ 94.2878, 0.3081,
0.3487

■ 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.



73.1247, 0.3923, 0.5357



73.1247, 0.2888, 0.5363



73.1247, 0.1967, 0.4288

Triad

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



73.1247, 0.2888, 0.5363



73.1247, 0.1493, 0.1712



73.1247, 0.5165, 0.3138

Complementary

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



73.1247, 0.2888, 0.5363



28.1317, 0.3743, 0.1961

Split Complementary

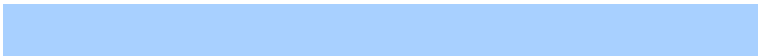
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.1247, 0.4221, 0.2472



73.1247, 0.2888, 0.5363



73.1247, 0.2048, 0.1695

Square

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



73.1247, 0.2888, 0.5363



73.1247, 0.1290, 0.2077



73.1247, 0.3005, 0.1961



73.1247, 0.5349, 0.3876

Rectangle

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



73.1247, 0.2888, 0.5363



73.1247, 0.1556, 0.3350



73.1247, 0.3005, 0.1961



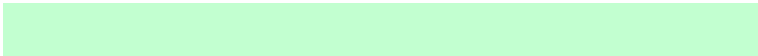
73.1247, 0.4921, 0.2906

Sweetspot

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



73.1251, 0.2888, 0.5363



87.5271, 0.3017, 0.3807



85.0821, 0.3803, 0.5202



18.4135, 0.3001, 0.3896



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.



73.1251, 0.2888, 0.5363



72.0010, 0.2923, 0.5700



76.4221, 0.2489, 0.3995



20.2382, 0.3083, 0.3477



37.5604, 0.2928, 0.5739



3.6732, 0.2870, 0.5532

Inverse Universe

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



28.1317, 0.3743, 0.1961



25.5298, 0.3892, 0.1930



24.6559, 0.5262, 0.2883



18.2229, 0.3174, 0.3110



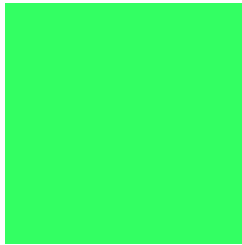
13.1913, 0.3913, 0.1929



1.3012, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 73.1247, 0.2888, 0.5363 looks on a white background.

Color Contrast Check

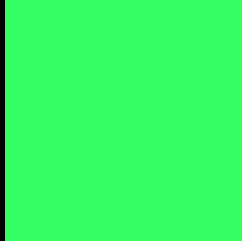
Large Text (above 18pt) WCAG AA × Fail

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 73.1247, 0.2888, 0.5363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

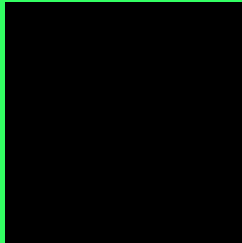
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1247, 0.2888, 0.5363

Background



This preview shows how black text looks on a background with the Yxy color 73.1247, 0.2888, 0.5363.

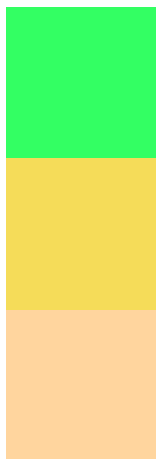


This preview shows how white text looks on a background with the Yxy color 73.1247, 0.2888, 0.5363.

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

73.1247, 0.2888, 0.5363

Protanopia

71.3201, 0.4166, 0.4567

Deuteranopia

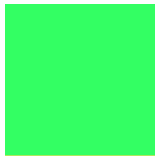
71.3171, 0.3851, 0.3857



Tritanopia

72.3004, 0.2430, 0.3077

Trichromacy



Original Color

73.1247, 0.2888, 0.5363



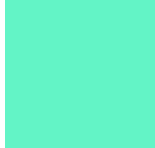
Protanomaly

68.0668, 0.3531, 0.4948



Deuteranomaly

67.1167, 0.3368, 0.4405



Tritanomaly

71.4312, 0.2594, 0.3886

Monochromacy



Original Color

73.1247, 0.2888, 0.5363



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.6261, 0.2970, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1247, 0.2888, 0.5363 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(51, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 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(51, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 73.1247, 0.2888, 0.5363 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(51, 255, 99) }
```

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

```
.border{ border-color:rgb(51, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1247, 0.2888, 0.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 99) }
```

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

```
.background{ background-color: rgb(51, 255,  
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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