

Converting Colors

$Yxy(73.6171, 0.2810, 0.5094)$

Have a look what the booklet for
Yxy(73.6171, 0.2810, 0.5094)
contains.

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Color

Yxy(73.6043, 0.2811, 0.5099)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 33FF79 |
| RGB | 51, 255, 121 |
| RGB Percent | 20%, 100%, 47% |
| CMY | 0.8001, 0.0000, 0.5253 |
| CMYK | 0.80, 0.00, 0.53, 0.00 |
| HSL | 141°, 100%, 60% |
| HSV | 141°, 80%, 100% |
| XYZ | 40.5769, 73.6043, 30.1692 |
| YIQ | 178.7280, -78.5700, -84.9220 |

Conversions

Conversions Part 2

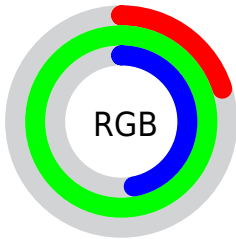
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 51, 203, 255 |
| Decimal | 3407737 |
| CIELab | 88.74, -74.96, 50.19 |
| CIELCh | 89, 90.210, 146.194 |
| Yxy | 73.6043, 0.2811, 0.5099 |
| Android (android.graphics.Color) | 4281597817 (0xFF33FF79) |
| YUV | 178.7280, -28.4599, -112.0175 |
| Hunter-Lab | 85.7929, -65.7137, 39.2056 |

Details

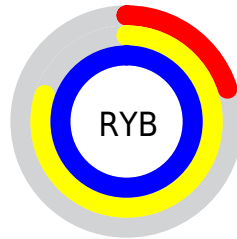
The Yxy color **73.6043, 0.2811, 0.5099** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.1247, 0.4039, 0.2141**, and the grayscale version is **45.1094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4799, 0.2846, 0.4272**, and **40.3499, 0.2858, 0.5489** is the 20% darker color. If you saturate the color by 10%, you get **72.7382, 0.2832, 0.5325**, and if you desaturate by 10%, it is **74.9044, 0.2808, 0.4852**.

Distribution



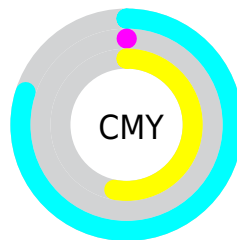
- Red (20%)
- Green (100%)
- Blue (47%)



- Red (20%)
- Yellow (80%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6043, 0.2811, 0.5099 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 73.6043, 0.2811, 0.5099 by changing the saturation by 10% instead.

 73.6043, 0.2811,
0.5099


 73.6043, 0.2811,
0.5099


473.1066, 0.3007,
0.4188

 54.4702, 0.2753,
0.5321


 124.3347, 0.2890,
0.4770

 38.9777, 0.2673,
0.5602

 156.6999, 0.2917,
0.4646

 26.7424, 0.2560,
0.5963


 194.2441, 0.2939,
0.4540

 17.3799, 0.2394,
0.6438

 237.3520, 0.2958,
0.4450

 10.5057, 0.2136,
0.7074

286.4077, 0.2973,
0.4371

 5.7355, 0.1784,
0.8216


341.7958, 0.2986,

 2.6849, 0.0501,


0.4302


0.9499


403.9006, 0.2997,
0.4242


 0.9695, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.6043, 0.2811,
0.5099


 73.6043, 0.2811,
0.5099


 72.7382, 0.2832,
0.5325


 74.9044, 0.2808,
0.4852


 72.2176, 0.2867,
0.5520


 76.6936, 0.2822,
0.4594

 79.0186, 0.2852,
0.4338

 81.9205, 0.2895,
0.4091

 85.4363, 0.2947,
0.3861

 89.5998, 0.3005,
0.3649

 94.4422, 0.3065,
0.3459

99.9927, 0.3127,
0.3290

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.



73.6043, 0.3785, 0.5254



73.6043, 0.2811, 0.5099



73.6043, 0.1973, 0.4046

Triad

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



73.6043, 0.2811, 0.5099



73.6043, 0.1637, 0.1793



73.6043, 0.5070, 0.3252

Complementary

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



73.6043, 0.2811, 0.5099



27.1247, 0.4039, 0.2141

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.



73.6043, 0.4270, 0.2604



73.6043, 0.2811, 0.5099



73.6043, 0.2214, 0.1808

Square

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



73.6043, 0.2811, 0.5099



73.6043, 0.1404, 0.2104



73.6043, 0.3153, 0.2092



73.6043, 0.5171, 0.3965

Rectangle

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



73.6043, 0.2811, 0.5099



73.6043, 0.1612, 0.3214



73.6043, 0.3153, 0.2092



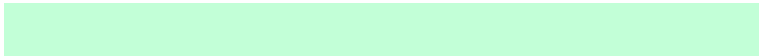
73.6043, 0.4872, 0.3027

Sweetspot

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



73.6044, 0.2811, 0.5099



87.8598, 0.2981, 0.3731



82.3222, 0.3663, 0.5305



18.4921, 0.2961, 0.3807



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.



73.6044, 0.2811, 0.5099



72.3989, 0.2852, 0.5446



77.4432, 0.2408, 0.3717



20.2711, 0.3068, 0.3450



37.7603, 0.2858, 0.5490



3.6962, 0.2795, 0.5263

Inverse Universe

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



27.1247, 0.4039, 0.2141



24.4189, 0.4281, 0.2147



24.2804, 0.5557, 0.3062



18.1881, 0.3191, 0.3135



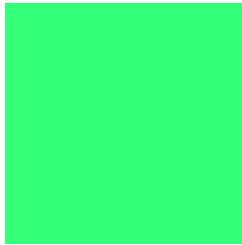
12.6040, 0.4316, 0.2151



1.2478, 0.4157, 0.2064

Previews

White Background



This preview shows how the Yxy color 73.6043, 0.2811, 0.5099 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 73.6043, 0.2811, 0.5099 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 73.6043, 0.2811, 0.5099

Background



This preview shows how black text looks on a background with the Yxy color 73.6043, 0.2811, 0.5099.

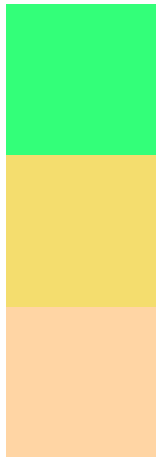


This preview shows how white text looks on a background with the Yxy color 73.6043, 0.2811, 0.5099.

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

73.6043, 0.2811, 0.5099

Protanopia

72.0718, 0.4042, 0.4415

Deuteranopia

71.5288, 0.3807, 0.3796



Tritanopia

73.1149, 0.2444, 0.3090

Trichromacy



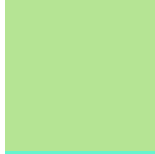
Original Color

73.6043, 0.2811, 0.5099



Protanomaly

68.4914, 0.3431, 0.4735



Deuteranomaly

67.4487, 0.3303, 0.4272



Tritanomaly

71.9243, 0.2565, 0.3776

Monochromacy



Original Color

73.6043, 0.2811, 0.5099



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

51.9998, 0.2915, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6043, 0.2811, 0.5099 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 121) }
```

Border

The CSS property to change the border of an element to Yxy 73.6043, 0.2811, 0.5099 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, 121) }
```

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

```
.border{ border-color:rgb(51, 255, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6043, 0.2811, 0.5099 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, 121) }
```

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

```
.background{ background-color: rgb(51, 255,  
121) }
```

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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