

Converting Colors

$Y_{xy}(73.4900, 0.2835, 0.5173)$

Have a look what the booklet for
Yxy(73.4900, 0.2835, 0.5173)
contains.

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Color

Yxy(73.4879, 0.2835, 0.5174)

Conversions

Conversions Part 1

Format	Color
Hex	34FF73
RGB	52, 255, 115
RGB Percent	20%, 100%, 45%
CMY	0.7965, 0.0000, 0.5490
CMYK	0.80, 0.00, 0.55, 0.00
HSL	139°, 100%, 60%
HSV	139°, 80%, 100%
XYZ	40.2664, 73.4879, 28.2788
YIQ	178.3430, -76.0480, -86.5760

Conversions

Conversions Part 2

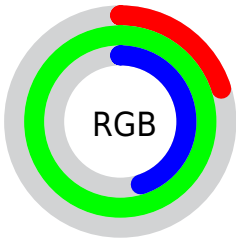
Format	Color
RYB	52, 207, 255
Decimal	3473267
CIELab	88.68, -75.68, 52.88
CIELCh	89, 92.325, 145.058
Yxy	73.4879, 0.2835, 0.5174
Android (android.graphics.Color)	4281663347 (0xFF34FF73)
YUV	178.3430, -31.2281, -110.8028
Hunter-Lab	85.7251, -66.1747, 40.4491

Details

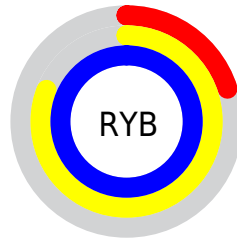
The Yxy color **73.4879, 0.2835, 0.5174** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.5090, 0.3941, 0.2086**, and the grayscale version is **44.8938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2476, 0.2875, 0.4350**, and **40.2694, 0.2883, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **72.6158, 0.2855, 0.5403**, and if you desaturate by 10%, it is **74.7962, 0.2832, 0.4919**.

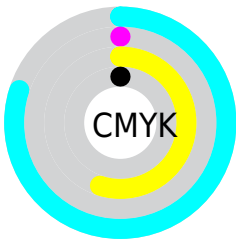
Distribution



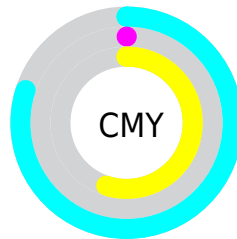
- Red (20%)
- Green (100%)
- Blue (45%)



- Red (20%)
- Yellow (81%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4879, 0.2835, 0.5174 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 73.4879, 0.2835, 0.5174 by changing the saturation by 10% instead.


 73.4879, 0.2835,
0.5174

 73.4879, 0.2835,
0.5174


472.7041, 0.3024,
0.4225


 54.3750, 0.2776,
0.5405


 124.1696, 0.2913,
0.4832


 38.9016, 0.2696,
0.5695

 156.5072, 0.2939,
0.4702

 26.6831, 0.2581,
0.6067


 194.0218, 0.2961,
0.4592

 17.3354, 0.2409,
0.6554


 237.0979, 0.2978,
0.4498

 10.4739, 0.2140,
0.7196

286.1197, 0.2993,
0.4416

 5.7143, 0.1753,
0.8247

341.4718, 0.3005,

 2.6721, 0.0423,

0.4344

0.9577

403.5384, 0.3015,
0.4281

0.9631, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.4879, 0.2835,
0.5174

73.4879, 0.2835,
0.5174

72.6158, 0.2855,
0.5403

74.7962, 0.2832,
0.4919

72.1026, 0.2889,
0.5597

76.6047, 0.2845,
0.4651

72.0876, 0.2890,
0.5603

78.9575, 0.2873,
0.4383

81.8962, 0.2914,
0.4124

■ 85.4581, 0.2962,
0.3882

■ 89.6772, 0.3016,
0.3660

■ 94.5852, 0.3072,
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.



73.4879, 0.3827, 0.5284



73.4879, 0.2835, 0.5174



73.4879, 0.1973, 0.4114

Triad

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



73.4879, 0.2835, 0.5174



73.4879, 0.1596, 0.1771



73.4879, 0.5096, 0.3219

Complementary

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



73.4879, 0.2835, 0.5174



27.5090, 0.3941, 0.2086

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.



73.4879, 0.4255, 0.2566



73.4879, 0.2835, 0.5174



73.4879, 0.2166, 0.1776

Square

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



73.4879, 0.2835, 0.5174



73.4879, 0.1372, 0.2098



73.4879, 0.3110, 0.2055



73.4879, 0.5221, 0.3939

Rectangle

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



73.4879, 0.2835, 0.5174



73.4879, 0.1597, 0.3253



73.4879, 0.3110, 0.2055



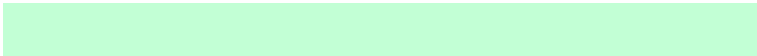
73.4879, 0.4884, 0.2992

Sweetspot

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



73.4851, 0.2835, 0.5174



87.7574, 0.2992, 0.3754



83.2457, 0.3709, 0.5265



18.4678, 0.2973, 0.3834



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.



73.4851, 0.2835, 0.5174



72.2617, 0.2876, 0.5530



77.1220, 0.2436, 0.3806



20.2611, 0.3073, 0.3458



37.6908, 0.2882, 0.5574



3.6885, 0.2819, 0.5350

Inverse Universe

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



27.5090, 0.3941, 0.2086



24.7343, 0.4158, 0.2078



24.4891, 0.5448, 0.3003



18.1986, 0.3186, 0.3128



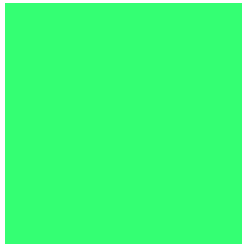
12.7704, 0.4189, 0.2081



1.2631, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 73.4879, 0.2835, 0.5174 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 73.4879, 0.2835, 0.5174 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 73.4879, 0.2835, 0.5174

Background



This preview shows how black text looks on a background with the Yxy color 73.4879, 0.2835, 0.5174.

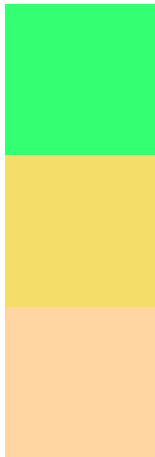


This preview shows how white text looks on a background with the Yxy color 73.4879, 0.2835, 0.5174.

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

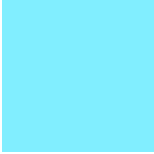
73.4879, 0.2835, 0.5174

Protanopia

71.9455, 0.4075, 0.4465

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

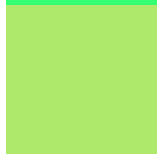
73.0362, 0.2440, 0.3090

Trichromacy



Original Color

73.4879, 0.2835, 0.5174



Protanomaly

68.3592, 0.3461, 0.4799



Deuteranomaly

67.3549, 0.3321, 0.4309



Tritanomaly

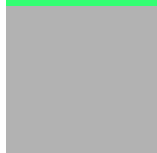
71.8277, 0.2574, 0.3803

Monochromacy



Original Color

73.4879, 0.2835, 0.5174



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4147, 0.2933, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4879, 0.2835, 0.5174 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(52, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 73.4879, 0.2835, 0.5174 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(52, 255, 115) }
```

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

```
.border{ border-color:rgb(52, 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(52, 255, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(52, 255,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4879, 0.2835, 0.5174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 255, 115) }
```

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

```
.background{ background-color: rgb(52, 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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