

Converting Colors

$Y_{xy}(73.2538, 0.2850, 0.5254)$

Have a look what the booklet for
Yxy(73.2538, 0.2850, 0.5254)
contains.

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Color

Yxy(73.2525, 0.2849, 0.5251)

Conversions

Conversions Part 1

Format	Color
Hex	30FF6D
RGB	48, 255, 109
RGB Percent	19%, 100%, 43%
CMY	0.8111, 0.0000, 0.5726
CMYK	0.81, 0.00, 0.57, 0.00
HSL	138°, 100%, 59%
HSV	138°, 81%, 100%
XYZ	39.7441, 73.2525, 26.5054
YIQ	176.4630, -76.5060, -89.2900

Conversions

Conversions Part 2

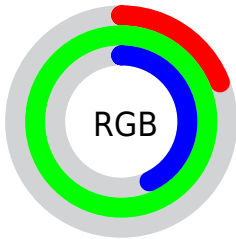
Format	Color
RYB	48, 208, 255
Decimal	3211117
CIELab	88.57, -76.83, 55.41
CIELCh	89, 94.728, 144.200
Yxy	73.2525, 0.2849, 0.5251
Android (android.graphics.Color)	4281401197 (0xFF30FF6D)
YUV	176.4630, -33.2593, -112.6621
Hunter-Lab	85.5877, -66.8889, 41.5500

Details

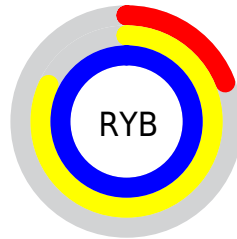
The Yxy color **73.2525, 0.2849, 0.5251** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.2915, 0.3914, 0.2052**, and the grayscale version is **43.9043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9462, 0.2899, 0.4429**, and **40.1988, 0.2906, 0.5662** is the 20% darker color. If you saturate the color by 10%, you get **72.4525, 0.2871, 0.5476**, and if you desaturate by 10%, it is **74.4940, 0.2843, 0.4996**.

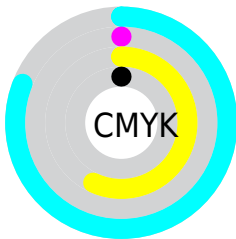
Distribution



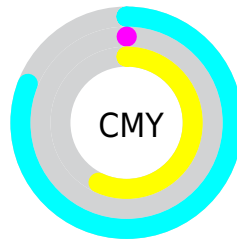
- Red (19%)
- Green (100%)
- Blue (43%)



- Red (19%)
- Yellow (82%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2525, 0.2849, 0.5251 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 73.2525, 0.2849, 0.5251 by changing the saturation by 10% instead.

 73.2525, 0.2849,
0.5251


 73.2525, 0.2849,
0.5251

471.8895, 0.3037,
0.4263

 54.1825, 0.2789,
0.5491


 123.8356, 0.2928,
0.4895

 38.7475, 0.2706,
0.5791


 156.1174, 0.2954,
0.4760

 26.5634, 0.2586,
0.6175


 193.5720, 0.2975,
0.4646

 17.2456, 0.2406,
0.6673

 236.5837, 0.2993,
0.4547

 10.4097, 0.2126,
0.7328

285.5369, 0.3007,
0.4462

 5.6715, 0.1704,
0.8296

340.8160, 0.3018,

 2.6464, 0.0287,

0.4387

0.9713

402.8054, 0.3028,
0.4321

■ 0.9500, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.2525, 0.2849,
0.5251

■ 73.2525, 0.2849,
0.5251

■ 72.4525, 0.2871,
0.5476


■ 74.4940, 0.2843,
0.4996

■ 72.0268, 0.2901,
0.5642


■ 76.2255, 0.2853,
0.4725

■ 78.4985, 0.2879,
0.4450

■ 81.3554, 0.2916,
0.4183

 84.8344, 0.2961,
0.3932

 88.9702, 0.3013,
0.3701

 93.7950, 0.3066,
0.3493

 99.3388, 0.3121,
0.3309

 99.9992, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2525, 0.3860, 0.5322



73.2525, 0.2849, 0.5251



73.2525, 0.1964, 0.4176

Triad

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



73.2525, 0.2849, 0.5251



73.2525, 0.1554, 0.1744



73.2525, 0.5132, 0.3190

Complementary

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



73.2525, 0.2849, 0.5251



27.2915, 0.3914, 0.2052

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.



73.2525, 0.4251, 0.2531



73.2525, 0.2849, 0.5251



73.2525, 0.2121, 0.1741

Square

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



73.2525, 0.2849, 0.5251



73.2525, 0.1336, 0.2084



73.2525, 0.3075, 0.2017



73.2525, 0.5275, 0.3919

Rectangle

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



73.2525, 0.2849, 0.5251



73.2525, 0.1575, 0.3283



73.2525, 0.3075, 0.2017



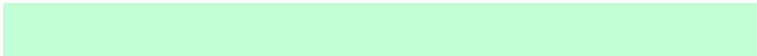
73.2525, 0.4908, 0.2961

Sweetspot

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



73.2555, 0.2849, 0.5251



87.7059, 0.2997, 0.3765



83.5233, 0.3733, 0.5269



18.4557, 0.2979, 0.3847



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.



73.2555, 0.2849, 0.5251



72.1540, 0.2891, 0.5589



76.8143, 0.2447, 0.3864



20.2560, 0.3075, 0.3462



37.6585, 0.2893, 0.5614



3.6848, 0.2831, 0.5392

Inverse Universe

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



27.2915, 0.3914, 0.2052



24.8150, 0.4109, 0.2048



24.1779, 0.5457, 0.2980



18.2040, 0.3183, 0.3124



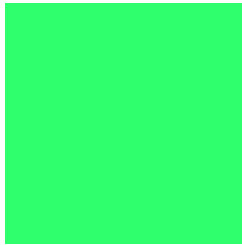
12.8587, 0.4126, 0.2047



1.2711, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 73.2525, 0.2849, 0.5251 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 73.2525, 0.2849, 0.5251 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 73.2525, 0.2849, 0.5251

Background



This preview shows how black text looks on a background with the Yxy color 73.2525, 0.2849, 0.5251.

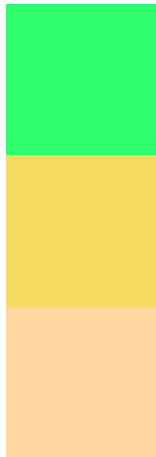


This preview shows how white text looks on a background with the Yxy color 73.2525, 0.2849, 0.5251.

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

73.2525, 0.2849, 0.5251

Protanopia

71.3013, 0.4113, 0.4504

Deuteranopia

71.3866, 0.3837, 0.3837



Tritanopia

72.3004, 0.2430, 0.3077

Trichromacy



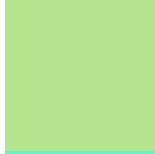
Original Color

73.2525, 0.2849, 0.5251



Protanomaly

68.1214, 0.3483, 0.4864



Deuteranomaly

67.1132, 0.3337, 0.4360



Tritanomaly

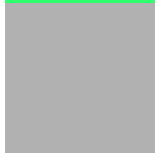
71.5623, 0.2573, 0.3832

Monochromacy



Original Color

73.2525, 0.2849, 0.5251



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.6755, 0.2938, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2525, 0.2849, 0.5251 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(48, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(48, 255, 109)  
}
```

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(48, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 73.2525, 0.2849, 0.5251 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(48, 255, 109) }
```

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

```
.border{ border-color:rgb(48, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(48, 255, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(48, 255, 109); box-shadow:4px 4px 4px 4px rgb(48, 255, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2525, 0.2849, 0.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 255, 109) }
```

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

```
.background{ background-color: rgb(48, 255,  
109) }
```

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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