

Converting Colors

$Y_{xy}(71.8803, 0.2750, 0.4925)$

Have a look what the booklet for
Yxy(71.8803, 0.2750, 0.4925)
contains.

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Color

Yxy(71.8722, 0.2749, 0.4925)

Conversions

Conversions Part 1

Format	Color
Hex	2DFC85
RGB	45, 252, 133
RGB Percent	18%, 99%, 52%
CMY	0.8245, 0.0117, 0.4785
CMYK	0.82, 0.00, 0.47, 0.01
HSL	146°, 97%, 58%
HSV	146°, 82%, 99%
XYZ	40.1171, 71.8722, 33.9441
YIQ	176.5410, -85.1730, -80.8930

Conversions

Conversions Part 2

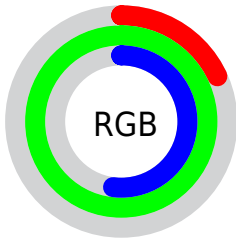
Format	Color
RYB	45, 190, 252
Decimal	3013765
CIELab	87.91, -72.82, 43.54
CIELCh	88, 84.839, 149.124
Yxy	71.8722, 0.2749, 0.4925
Android (android.graphics.Color)	4281203845 (0xFF2DFC85)
YUV	176.5410, -21.4657, -115.3615
Hunter-Lab	84.7775, -63.8936, 35.6051

Details

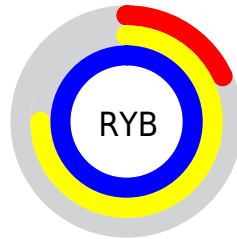
The Yxy color **71.8722, 0.2749, 0.4925** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **25.2274, 0.4328, 0.2286**, and the grayscale version is **43.8227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6629, 0.2771, 0.4119**, and **39.1777, 0.2800, 0.5280** is the 20% darker color. If you saturate the color by 10%, you get **71.0942, 0.2772, 0.5134**, and if you desaturate by 10%, it is **73.0510, 0.2745, 0.4703**.

Distribution



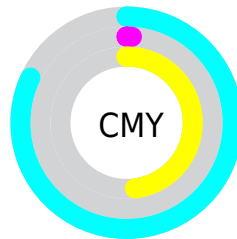
- Red (18%)
- Green (99%)
- Blue (52%)



- Red (18%)
- Yellow (75%)
- Blue (99%)



- Cyan (82%)
- Magenta (0%)
- Yellow (47%)
- Black (1%)





- Cyan (82%)
- Magenta (1%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8722, 0.2749, 0.4925 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 71.8722, 0.2749, 0.4925 by changing the saturation by 10% instead.

 71.8722, 0.2749,
0.4925

 71.8722, 0.2749,
0.4925


467.0967, 0.2964,
0.4099


 53.0543, 0.2689,
0.5129

 121.8748, 0.2832,
0.4626


 37.8461, 0.2609,
0.5387


 153.8283, 0.2862,
0.4513

 25.8633, 0.2498,
0.5724


 190.9291, 0.2887,
0.4417

 16.7214, 0.2337,
0.6175

 233.5616, 0.2907,
0.4335

 10.0360, 0.2091,
0.6797

282.1102, 0.2925,
0.4264

 5.4229, 0.1729,
0.7810


336.9594, 0.2940,

 2.4974, 0.0410,

0.4202

0.9590

398.4934, 0.2953,
0.4148


 0.8754, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 71.8722, 0.2749,
0.4925


 71.8722, 0.2749,
0.4925


 71.0942, 0.2772,
0.5134


 73.0510, 0.2745,
0.4703


 70.6976, 0.2801,
0.5282


 74.6769, 0.2760,
0.4475


 76.7986, 0.2793,
0.4249


 79.4559, 0.2841,
0.4032

 82.6846, 0.2900,
0.3829

 86.5172, 0.2966,
0.3642

 90.9836, 0.3037,
0.3473

 96.1120, 0.3111,
0.3322

 98.1098, 0.3128,
0.3262

Harmonies

Analogous

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



71.8722, 0.3683, 0.5180



71.8722, 0.2749, 0.4925



71.8722, 0.1969, 0.3889

Triad

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



71.8722, 0.2749, 0.4925



71.8722, 0.1737, 0.1843



71.8722, 0.5014, 0.3332

Complementary

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



71.8722, 0.2749, 0.4925



25.2274, 0.4328, 0.2286

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.



71.8722, 0.4308, 0.2694



71.8722, 0.2749, 0.4925



71.8722, 0.2330, 0.1882

Square

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



71.8722, 0.2749, 0.4925



71.8722, 0.1479, 0.2115



71.8722, 0.3258, 0.2181



71.8722, 0.5056, 0.4027

Rectangle

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



71.8722, 0.2749, 0.4925



71.8722, 0.1642, 0.3121



71.8722, 0.3258, 0.2181



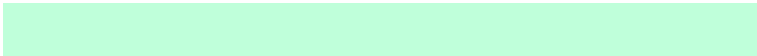
71.8722, 0.4846, 0.3111

Sweetspot

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



71.8751, 0.2749, 0.4925



87.7113, 0.2947, 0.3692



77.8867, 0.3546, 0.5423



18.4754, 0.2924, 0.3758



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.



71.8751, 0.2749, 0.4925



72.6629, 0.2797, 0.5265



76.1652, 0.2338, 0.3503



19.4319, 0.3057, 0.3429



36.8505, 0.2792, 0.5251



3.4337, 0.2727, 0.5016

Inverse Universe

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



25.2274, 0.4328, 0.2286



23.4382, 0.4662, 0.2346



22.9035, 0.5857, 0.3198



17.3923, 0.3204, 0.3155



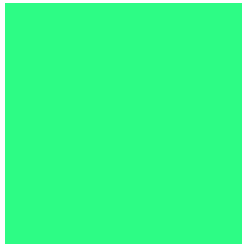
11.8709, 0.4649, 0.2335



1.1207, 0.4429, 0.2214

Previews

White Background



This preview shows how the Yxy color 71.8722, 0.2749, 0.4925 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 71.8722, 0.2749, 0.4925 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 71.8722, 0.2749, 0.4925

Background



This preview shows how black text looks on a background with the Yxy color 71.8722, 0.2749, 0.4925.

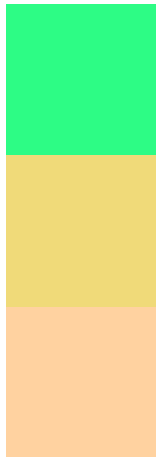


This preview shows how white text looks on a background with the Yxy color 71.8722, 0.2749, 0.4925.

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

71.8722, 0.2749, 0.4925

Protanopia

70.0485, 0.3961, 0.4305

Deuteranopia

69.8913, 0.3848, 0.3808



Tritanopia

71.4332, 0.2385, 0.3075

Trichromacy



Original Color

71.8722, 0.2749, 0.4925



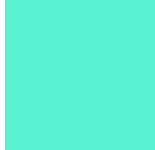
Protanomaly

66.5093, 0.3345, 0.4601



Deuteranomaly

65.6361, 0.3281, 0.4221



Tritanomaly

70.3313, 0.2498, 0.3689

Monochromacy



Original Color

71.8722, 0.2749, 0.4925



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.3130, 0.2874, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8722, 0.2749, 0.4925 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(45, 252, 133)` looks like.

```
.text, #text, p{  
    color:rgb(45, 252, 133)  
}
```

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(45, 252, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 252, 133) }
```

Border

The CSS property to change the border of an element to Yxy 71.8722, 0.2749, 0.4925 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(45, 252, 133) }
```

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

```
.border{ border-color:rgb(45, 252, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 252, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 252, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 252, 133);  
box-shadow:4px 4px 4px 4px rgb(45, 252,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8722, 0.2749, 0.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 252, 133) }
```

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

```
.background{ background-color: rgb(45, 252,  
133) }
```

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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