

Converting Colors

$Y_{xy}(71.2472, 0.2715, 0.4947)$

Have a look what the booklet for
Yxy(71.2472, 0.2715, 0.4947)
contains.

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Color

Yxy(71.3723, 0.2717, 0.4954)

Conversions

Conversions Part 1

Format	Color
Hex	0DFC84
RGB	13, 252, 132
RGB Percent	5%, 99%, 52%
CMY	0.9486, 0.0118, 0.4822
CMYK	0.95, 0.00, 0.48, 0.01
HSL	150°, 98%, 52%
HSV	150°, 95%, 99%
XYZ	39.1438, 71.3723, 33.5539
YIQ	166.8590, -103.9240, -87.9880

Conversions

Conversions Part 2

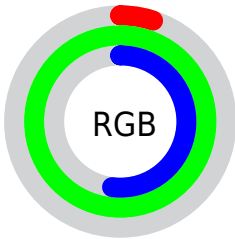
Format	Color
RYB	13, 173, 252
Decimal	916612
CIELab	87.67, -74.83, 43.64
CIElCh	88, 86.629, 149.749
Yxy	71.3723, 0.2717, 0.4954
Android (android.graphics.Color)	4279106692 (0xFF0DFC84)
YUV	166.8590, -17.1855, -134.9343
Hunter-Lab	84.4821, -65.1378, 35.5892

Details

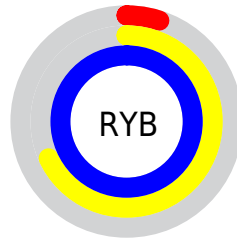
The Yxy color **71.3723, 0.2717, 0.4954** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.6815, 0.4869, 0.2480**, and the grayscale version is **38.7119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8898, 0.2734, 0.4142**, and **39.1628, 0.2804, 0.5295** is the 20% darker color. If you saturate the color by 10%, you get **71.1143, 0.2735, 0.5047**, and if you desaturate by 10%, it is **72.0745, 0.2692, 0.4766**.

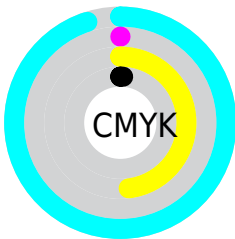
Distribution



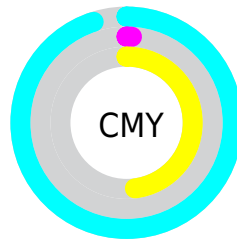
- Red (5%)
- Green (99%)
- Blue (52%)



- Red (5%)
- Yellow (68%)
- Blue (99%)



- Cyan (95%)
- Magenta (0%)
- Yellow (48%)
- Black (1%)




- Cyan (95%)
- Magenta (1%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3723, 0.2717, 0.4954 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 71.3723, 0.2717, 0.4954 by changing the saturation by 10% instead.


 71.3723, 0.2717,
0.4954


 71.3723, 0.2717,
0.4954


465.3538, 0.2948,
0.4111

 52.6461, 0.2653,
0.5163


 121.1637, 0.2806,
0.4648


 37.5203, 0.2568,
0.5427


 152.9976, 0.2838,
0.4533


 25.6106, 0.2450,
0.5773


 189.9696, 0.2865,
0.4435

 16.5326, 0.2280,
0.6236

 232.4640, 0.2887,
0.4352

 9.9018, 0.2023,
0.6874

 280.8653, 0.2906,
0.4280

 5.3339, 0.1648,
0.7931


335.5577, 0.2922,

 2.4445, 0.0129,


0.4216

0.9871


396.9258, 0.2936,
0.4161


 0.8486, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.3723, 0.2717,
0.4954


 71.3723, 0.2717,
0.4954

 71.1143, 0.2735,
0.5047

 72.0745, 0.2692,
0.4766


 73.1413, 0.2687,
0.4570

 74.6332, 0.2703,
0.4370


 76.5971, 0.2737,
0.4172

 79.0736, 0.2788,
0.3982

 82.0986, 0.2851,
0.3802

 85.7049, 0.2924,
0.3637

 89.9224, 0.3004,
0.3486

 94.7791, 0.3087,
0.3350

Harmonies

Analogous

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



71.3723, 0.3668, 0.5227



71.3723, 0.2717, 0.4954



71.3723, 0.1930, 0.3876

Triad

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



71.3723, 0.2717, 0.4954



71.3723, 0.1720, 0.1814



71.3723, 0.5065, 0.3341

Complementary

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



71.3723, 0.2717, 0.4954



22.6815, 0.4869, 0.2480

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.



71.3723, 0.4356, 0.2693



71.3723, 0.2717, 0.4954



71.3723, 0.2329, 0.1860

Square

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



71.3723, 0.2717, 0.4954



71.3723, 0.1453, 0.2080



71.3723, 0.3281, 0.2169



71.3723, 0.5087, 0.4047

Rectangle

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



71.3723, 0.2717, 0.4954



71.3723, 0.1605, 0.3091



71.3723, 0.3281, 0.2169



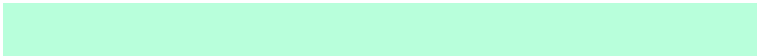
71.3723, 0.4898, 0.3117

Sweetspot

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



71.3752, 0.2717, 0.4954



86.7832, 0.2900, 0.3688



74.9302, 0.3405, 0.5654



18.2350, 0.2869, 0.3760



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.



71.3752, 0.2717, 0.4954



73.0510, 0.2736, 0.5048



76.4869, 0.2265, 0.3336



19.4534, 0.3048, 0.3412



37.0734, 0.2727, 0.5017



3.4550, 0.2666, 0.4798

Inverse Universe

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



22.6815, 0.4869, 0.2480



22.8199, 0.4992, 0.2524



21.0269, 0.6323, 0.3291



17.3706, 0.3215, 0.3171



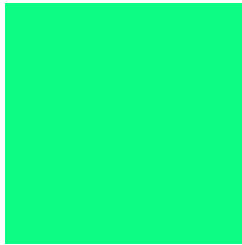
11.6023, 0.4953, 0.2502



1.0960, 0.4688, 0.2356

Previews

White Background



This preview shows how the Yxy color 71.3723, 0.2717, 0.4954 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 71.3723, 0.2717, 0.4954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

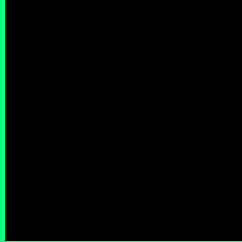
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3723, 0.2717, 0.4954

Background



This preview shows how black text looks on a background with the Yxy color 71.3723, 0.2717, 0.4954.



This preview shows how white text looks on a background with the Yxy color 71.3723, 0.2717, 0.4954.

Color Blindness Simulation

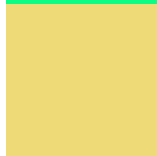
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



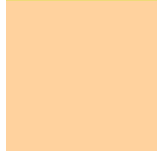
Original Color

71.3723, 0.2717, 0.4954



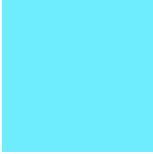
Protanopia

69.8496, 0.3960, 0.4317



Deuteranopia

69.8218, 0.3863, 0.3828



Tritanopia

71.0396, 0.2364, 0.3074

Trichromacy



Original Color

71.3723, 0.2717, 0.4954



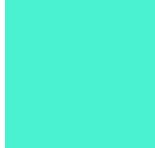
Protanomaly

65.2170, 0.3267, 0.4648



Deuteranomaly

64.2358, 0.3202, 0.4259



Tritanomaly

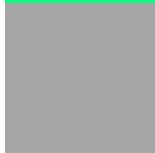
69.6133, 0.2461, 0.3707

Monochromacy



Original Color

71.3723, 0.2717, 0.4954



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.1008, 0.2798, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3723, 0.2717, 0.4954 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(13, 252, 132)` looks like.

```
.text, #text, p{  
    color:rgb(13, 252, 132)  
}
```

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(13, 252, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 252, 132) }
```

Border

The CSS property to change the border of an element to Yxy 71.3723, 0.2717, 0.4954 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(13, 252, 132) }
```

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

```
.border{ border-color:rgb(13, 252, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 252, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 252, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 252, 132);  
box-shadow:4px 4px 4px 4px rgb(13, 252,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3723, 0.2717, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 252, 132) }
```

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

```
.background{ background-color: rgb(13, 252,  
132) }
```

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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