

Converting Colors

$Y_{xy}(73.2092, 0.2723, 0.4989)$

Have a look what the booklet for
Yxy(73.2092, 0.2723, 0.4989)
contains.

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Color

Yxy(73.2039, 0.2724, 0.4992)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 07FF83 |
| RGB | 7, 255, 131 |
| RGB Percent | 3%, 100%, 51% |
| CMY | 0.9718, 0.0000, 0.4863 |
| CMYK | 0.97, 0.00, 0.49, 0.00 |
| HSL | 150°, 100%, 51% |
| HSV | 150°, 97%, 100% |
| XYZ | 39.9454, 73.2039, 33.4931 |
| YIQ | 166.7120, -108.0040, -91.1400 |

Conversions

Conversions Part 2

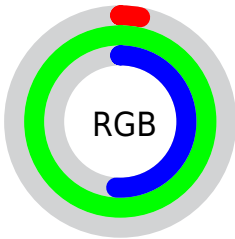
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 7, 172, 255 |
| Decimal | 524163 |
| CIELab | 88.54, -76.10, 45.24 |
| CIELCh | 89, 88.533, 149.269 |
| Yxy | 73.2039, 0.2724, 0.4992 |
| Android (android.graphics.Color) | 4278714243 (0xFF07FF83) |
| YUV | 166.7120, -17.6060, -140.0674 |
| Hunter-Lab | 85.5593, -66.3917, 36.6818 |

Details

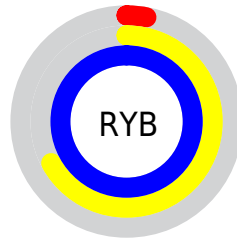
The Yxy color **73.2039, 0.2724, 0.4992** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **23.0603, 0.4933, 0.2504**, and the grayscale version is **38.6518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8471, 0.2738, 0.4156**, and **40.4970, 0.2814, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **73.0626, 0.2734, 0.5042**, and if you desaturate by 10%, it is **73.8444, 0.2695, 0.4808**.

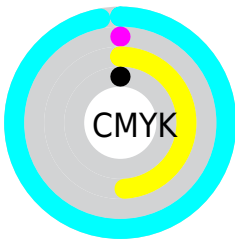
Distribution



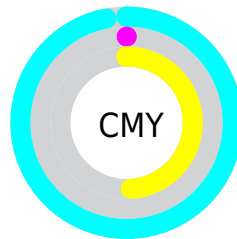
- Red (3%)
- Green (100%)
- Blue (51%)



- Red (3%)
- Yellow (67%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2039, 0.2724, 0.4992 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 73.2039, 0.2724, 0.4992 by changing the saturation by 10% instead.


 73.2039, 0.2724,
0.4992

 73.2039, 0.2724,
0.4992


471.7212, 0.2953,
0.4133

 54.1427, 0.2660,
0.5203


 123.7666, 0.2813,
0.4681

 38.7158, 0.2575,
0.5471


 156.0370, 0.2844,
0.4564


 26.5387, 0.2458,
0.5818


 193.4791, 0.2871,
0.4464

 17.2271, 0.2289,
0.6281


 236.4775, 0.2892,
0.4379

 10.3965, 0.2033,
0.6915

 285.4165, 0.2911,
0.4305

 5.6626, 0.1662,
0.7948


340.6805, 0.2927,


 2.6411, 0.0342,


0.4241


0.9658


402.6540, 0.2941,
0.4184


 0.9473, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.2039, 0.2724,
0.4992

 73.2039, 0.2724,
0.4992

 73.0626, 0.2734,
0.5042

 73.8444, 0.2695,
0.4808


 74.8431, 0.2685,
0.4613

 76.2656, 0.2696,
0.4414


 78.1624, 0.2726,
0.4216

 80.5764, 0.2773,
0.4024

 83.5458, 0.2834,
0.3842

 87.1049, 0.2906,
0.3674

 91.2852, 0.2984,
0.3519

 96.1158, 0.3067,
0.3380

Harmonies

Analogous

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



73.2039, 0.3685, 0.5248



73.2039, 0.2724, 0.4992



73.2039, 0.1925, 0.3904

Triad

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



73.2039, 0.2724, 0.4992



73.2039, 0.1699, 0.1801



73.2039, 0.5083, 0.3327

Complementary

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



73.2039, 0.2724, 0.4992



23.0603, 0.4933, 0.2504

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.



73.2039, 0.4356, 0.2676



73.2039, 0.2724, 0.4992



73.2039, 0.2307, 0.1843

Square

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



73.2039, 0.2724, 0.4992



73.2039, 0.1434, 0.2073



73.2039, 0.3265, 0.2151



73.2039, 0.5114, 0.4038

Rectangle

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



73.2039, 0.2724, 0.4992



73.2039, 0.1594, 0.3103



73.2039, 0.3265, 0.2151



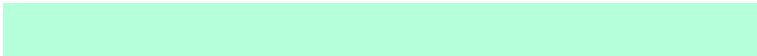
73.2039, 0.4911, 0.3102

Sweetspot

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



73.2049, 0.2724, 0.4992



86.4114, 0.2892, 0.3703



76.7055, 0.3391, 0.5676



18.1649, 0.2861, 0.3775



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.



73.2049, 0.2724, 0.4992



73.0626, 0.2734, 0.5042



78.5233, 0.2263, 0.3338



20.3195, 0.3047, 0.3411



38.2069, 0.2726, 0.5013



3.7421, 0.2668, 0.4805

Inverse Universe

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



23.0603, 0.4933, 0.2504



22.8082, 0.4999, 0.2528



21.4411, 0.6356, 0.3293



18.1387, 0.3215, 0.3172



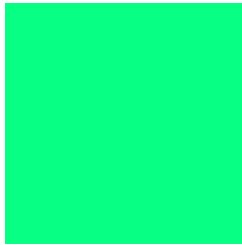
11.9479, 0.4963, 0.2507



1.1854, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 73.2039, 0.2724, 0.4992 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 73.2039, 0.2724, 0.4992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

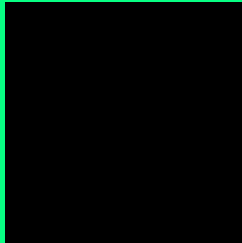
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.2039, 0.2724, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 73.2039, 0.2724, 0.4992.



This preview shows how white text looks on a background with the Yxy color 73.2039, 0.2724, 0.4992.

Color Blindness Simulation

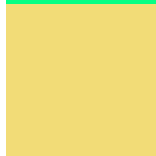
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.2039, 0.2724, 0.4992



Protanopia

71.3956, 0.3979, 0.4334



Deuteranopia

71.5651, 0.3800, 0.3786



Tritanopia

72.6542, 0.2421, 0.3089

Trichromacy



Original Color

73.2039, 0.2724, 0.4992



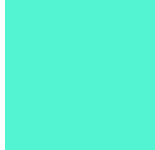
Protanomaly

66.8760, 0.3267, 0.4687



Deuteranomaly

65.7860, 0.3161, 0.4243



Tritanomaly

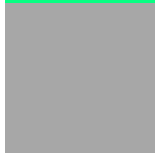
71.1483, 0.2487, 0.3729

Monochromacy



Original Color

73.2039, 0.2724, 0.4992



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.4312, 0.2788, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2039, 0.2724, 0.4992 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(7, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(7, 255, 131)  
}
```

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(7, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 255, 131) }
```

Border

The CSS property to change the border of an element to Yxy 73.2039, 0.2724, 0.4992 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(7, 255, 131) }
```

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

```
.border{ border-color:rgb(7, 255, 131) }
```

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

Here you see how a box with a 4 pixel rgb(7, 255, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(7, 255,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2039, 0.2724, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 255, 131) }
```

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

```
.background{ background-color: rgb(7, 255,  
131) }
```

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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