

Converting Colors

$Y_{xy}(73.2925, 0.2726, 0.4977)$

Have a look what the booklet for
Yxy(73.2925, 0.2726, 0.4977)
contains.

Yxy(73.3051, 0.2726, 0.4976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.3051, 0.2726, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	11FF84
RGB	17, 255, 132
RGB Percent	7%, 100%, 52%
CMY	0.9321, 0.0000, 0.4824
CMYK	0.93, 0.00, 0.48, 0.00
HSL	149°, 100%, 53%
HSV	149°, 93%, 100%
XYZ	40.1587, 73.3051, 33.8535
YIQ	169.8160, -102.3650, -88.7090

Conversions

Conversions Part 2

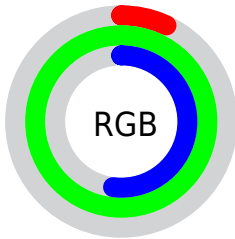
Format	Color
RYB	17, 177, 255
Decimal	1179524
CIELab	88.59, -75.64, 44.84
CIELCh	89, 87.935, 149.340
Yxy	73.3051, 0.2726, 0.4976
Android (android.graphics.Color)	4279369604 (0xFF11FF84)
YUV	169.8160, -18.6433, -134.0196
Hunter-Lab	85.6184, -66.1080, 36.4896

Details

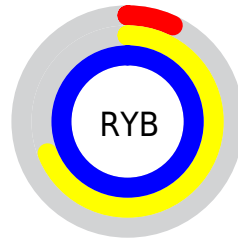
The Yxy color **73.3051, 0.2726, 0.4976** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.5742, 0.4771, 0.2434**, and the grayscale version is **40.2829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9594, 0.2738, 0.4141**, and **40.5117, 0.2810, 0.5316** is the 20% darker color. If you saturate the color by 10%, you get **72.9505, 0.2750, 0.5100**, and if you desaturate by 10%, it is **74.0794, 0.2703, 0.4782**.

Distribution



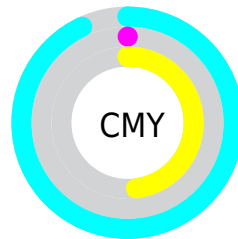
- Red (7%)
- Green (100%)
- Blue (52%)



- Red (7%)
- Yellow (69%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.3051, 0.2726, 0.4976 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 73.3051, 0.2726, 0.4976 by changing the saturation by 10% instead.


 73.3051, 0.2726,
0.4976

 73.3051, 0.2726,
0.4976


472.0716, 0.2953,
0.4126

 54.2255, 0.2663,
0.5185

 123.9102, 0.2814,
0.4668

 38.7820, 0.2579,
0.5450


 156.2046, 0.2845,
0.4552

 26.5901, 0.2463,
0.5794


 193.6725, 0.2871,
0.4454

 17.2656, 0.2296,
0.6253

 236.6986, 0.2893,
0.4369

 10.4241, 0.2043,
0.6881

 285.6672, 0.2912,
0.4296

 5.6810, 0.1673,
0.7894


340.9626, 0.2927,


 2.6521, 0.0398,


0.4232


0.9602


402.9692, 0.2941,
0.4176

 0.9529, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.3051, 0.2726,
0.4976


 73.3051, 0.2726,
0.4976


 72.9505, 0.2750,
0.5100


 74.0794, 0.2703,
0.4782


 75.2419, 0.2700,
0.4579

 76.8521, 0.2718,
0.4373


 78.9575, 0.2754,
0.4170

 81.5989, 0.2805,
0.3974

 84.8129, 0.2869,
0.3791

 88.6328, 0.2941,
0.3622

 93.0893, 0.3020,
0.3469

 98.2108, 0.3101,
0.3331

Harmonies

Analogous

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



73.3051, 0.3681, 0.5235



73.3051, 0.2726, 0.4976



73.3051, 0.1932, 0.3897

Triad

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



73.3051, 0.2726, 0.4976



73.3051, 0.1708, 0.1809



73.3051, 0.5071, 0.3331

Complementary

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



73.3051, 0.2726, 0.4976



23.5742, 0.4771, 0.2434

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.



73.3051, 0.4350, 0.2681



73.3051, 0.2726, 0.4976



73.3051, 0.2314, 0.1851

Square

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



73.3051, 0.2726, 0.4976



73.3051, 0.1444, 0.2080



73.3051, 0.3267, 0.2158



73.3051, 0.5101, 0.4038

Rectangle

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



73.3051, 0.2726, 0.4976



73.3051, 0.1602, 0.3103



73.3051, 0.3267, 0.2158



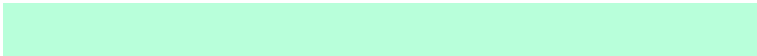
73.3051, 0.4900, 0.3106

Sweetspot

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



73.3075, 0.2726, 0.4976



86.7253, 0.2906, 0.3701



77.4980, 0.3436, 0.5621



18.2212, 0.2875, 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.



73.3075, 0.2726, 0.4976



72.9505, 0.2750, 0.5100



78.3623, 0.2280, 0.3384



20.3142, 0.3050, 0.3416



38.1480, 0.2742, 0.5070



3.7363, 0.2683, 0.4858

Inverse Universe

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



23.5742, 0.4771, 0.2434



22.9255, 0.4925, 0.2487



21.7420, 0.6278, 0.3279



18.1441, 0.3213, 0.3168



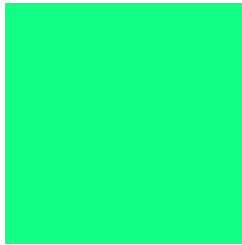
12.0094, 0.4890, 0.2467



1.1914, 0.4645, 0.2333

Previews

White Background



This preview shows how the Yxy color 73.3051, 0.2726, 0.4976 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 73.3051, 0.2726, 0.4976 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 73.3051, 0.2726, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 73.3051, 0.2726, 0.4976.



This preview shows how white text looks on a background with the Yxy color 73.3051, 0.2726, 0.4976.

Color Blindness Simulation

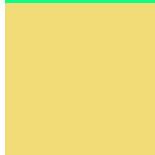
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.3051, 0.2726, 0.4976



Protanopia

71.4197, 0.3973, 0.4325



Deuteranopia

71.5651, 0.3800, 0.3786



Tritanopia

72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.3051, 0.2726, 0.4976



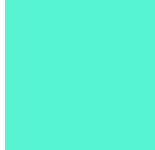
Protanomaly

67.2066, 0.3282, 0.4666



Deuteranomaly

66.2217, 0.3188, 0.4235



Tritanomaly

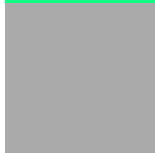
71.3329, 0.2499, 0.3727

Monochromacy



Original Color

73.3051, 0.2726, 0.4976



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.7510, 0.2808, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3051, 0.2726, 0.4976 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(17, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 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(17, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 73.3051, 0.2726, 0.4976 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(17, 255, 132) }
```

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

```
.border{ border-color:rgb(17, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(17, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3051, 0.2726, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 132) }
```

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

```
.background{ background-color: rgb(17, 255,  
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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