

Converting Colors

$Y_{xy}(73.1565, 0.2722, 0.4998)$

Have a look what the booklet for
Yxy(73.1565, 0.2722, 0.4998)
contains.

Yxy(73.1651, 0.2721, 0.4993)	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(73.1651, 0.2721, 0.4993)

Conversions

Conversions Part 1

Format	Color
Hex	01FF83
RGB	1, 255, 131
RGB Percent	0%, 100%, 51%
CMY	0.9950, 0.0000, 0.4862
CMYK	1.00, 0.00, 0.49, 0.00
HSL	151°, 100%, 50%
HSV	151°, 100%, 100%
XYZ	39.8723, 73.1651, 33.4980
YIQ	164.9180, -111.5800, -92.4120

Conversions

Conversions Part 2

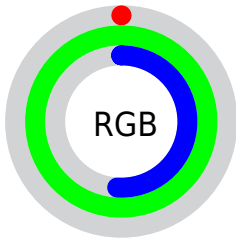
Format	Color
R_{YB}	1, 169, 255
Decimal	130947
CIE _{Lab}	88.53, -76.25, 45.20
CIE _{LCh}	89, 88.641, 149.340
Yxy	73.1651, 0.2721, 0.4993
Android (android.graphics.Color)	4278321027 (0xFF01FF83)
YUV	164.9180, -16.7216, -143.7561
Hunter-Lab	85.5366, -66.4826, 36.6564

Details

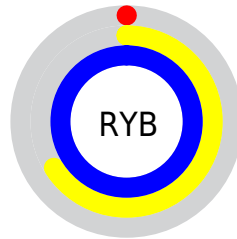
The Yxy color **73.1651, 0.2721, 0.4993** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.7748, 0.5038, 0.2552**, and the grayscale version is **37.7490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7782, 0.2734, 0.4156**, and **40.4970, 0.2814, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **73.1423, 0.2723, 0.5002**, and if you desaturate by 10%, it is **73.7475, 0.2690, 0.4814**.

Distribution



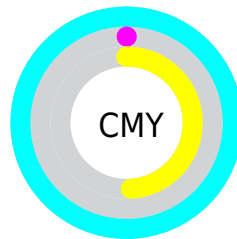
- Red (0%)
- Green (100%)
- Blue (51%)



- Red (0%)
- Yellow (66%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1651, 0.2721, 0.4993 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 73.1651, 0.2721, 0.4993 by changing the saturation by 10% instead.


 73.1651, 0.2721,
0.4993

 73.1651, 0.2721,
0.4993


471.5868, 0.2951,
0.4133


 54.1110, 0.2657,
0.5205


 123.7116, 0.2810,
0.4682

 38.6904, 0.2572,
0.5472


 155.9727, 0.2842,
0.4564


 26.5190, 0.2454,
0.5820


 193.4049, 0.2868,
0.4465

 17.2123, 0.2284,
0.6284

 236.3927, 0.2890,
0.4380

 10.3860, 0.2027,
0.6918

 285.3204, 0.2909,
0.4306

 5.6556, 0.1655,
0.7954


340.5724, 0.2925,

 2.6368, 0.0323,


0.4241


0.9677

402.5330, 0.2939,
0.4184

 0.9452, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.1651, 0.2721,
0.4993


 73.1651, 0.2721,
0.4993

 73.1423, 0.2723,
0.5002

 73.7475, 0.2690,
0.4814

 74.6555, 0.2676,
0.4626

 75.9721, 0.2682,
0.4431

 77.7500, 0.2709,
0.4237

■ 80.0337, 0.2754,
0.4048

■ 82.8622, 0.2813,
0.3869

■ 86.2704, 0.2884,
0.3701

■ 90.2904, 0.2962,
0.3548

■ 94.9517, 0.3046,
0.3409

Harmonies

Analogous

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



73.1651, 0.3683, 0.5252



73.1651, 0.2721, 0.4993



73.1651, 0.1922, 0.3902

Triad

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



73.1651, 0.2721, 0.4993



73.1651, 0.1698, 0.1799



73.1651, 0.5087, 0.3329

Complementary

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



73.1651, 0.2721, 0.4993



22.7748, 0.5038, 0.2552

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.



73.1651, 0.4360, 0.2676



73.1651, 0.2721, 0.4993



73.1651, 0.2308, 0.1842

Square

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



73.1651, 0.2721, 0.4993



73.1651, 0.1433, 0.2070



73.1651, 0.3267, 0.2150



73.1651, 0.5115, 0.4040

Rectangle

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



73.1651, 0.2721, 0.4993



73.1651, 0.1591, 0.3100



73.1651, 0.3267, 0.2150



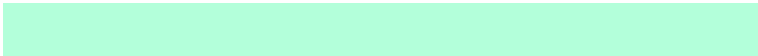
73.1651, 0.4915, 0.3103

Sweetspot

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



73.1673, 0.2721, 0.4993



86.0862, 0.2880, 0.3709



76.1225, 0.3355, 0.5715



18.1056, 0.2849, 0.3779



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.



73.1673, 0.2721, 0.4993



73.1423, 0.2723, 0.5002



78.7482, 0.2247, 0.3287



20.3232, 0.3046, 0.3409



38.2487, 0.2715, 0.4973



3.7462, 0.2658, 0.4768

Inverse Universe

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



22.7748, 0.5038, 0.2552



22.7306, 0.5050, 0.2556



21.2904, 0.6395, 0.3300



18.1350, 0.3217, 0.3174



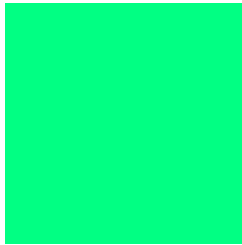
11.9072, 0.5013, 0.2535



1.1814, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 73.1651, 0.2721, 0.4993 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 73.1651, 0.2721, 0.4993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

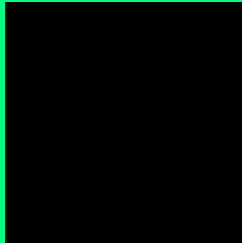
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1651, 0.2721, 0.4993

Background



This preview shows how black text looks on a background with the Yxy color 73.1651, 0.2721, 0.4993.

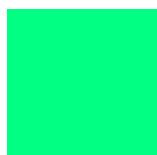


This preview shows how white text looks on a background with the Yxy color 73.1651, 0.2721, 0.4993.

Color Blindness Simulation

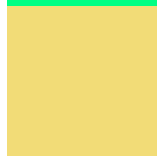
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.1651, 0.2721, 0.4993



Protanopia

71.3956, 0.3979, 0.4334



Deuteranopia

71.5651, 0.3800, 0.3786



Tritanopia

72.6542, 0.2421, 0.3089

Trichromacy



Original Color

73.1651, 0.2721, 0.4993



Protanomaly

66.5779, 0.3247, 0.4696



Deuteranomaly

65.5732, 0.3147, 0.4247



Tritanomaly

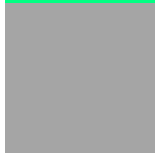
71.0168, 0.2479, 0.3730

Monochromacy



Original Color

73.1651, 0.2721, 0.4993



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6913, 0.2769, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1651, 0.2721, 0.4993 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(1, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 131) }
```

Border

The CSS property to change the border of an element to Yxy 73.1651, 0.2721, 0.4993 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(1, 255, 131) }
```

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

```
.border{ border-color:rgb(1, 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(1, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1651, 0.2721, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 131) }
```

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

```
.background{ background-color: rgb(1, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor