

Converting Colors

$Y_{xy}(100.0000, 0.2665, 0.5337)$

Have a look what the booklet for
Yxy(100.0000, 0.2665, 0.5337)
contains.

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Color

Yxy(73.1050, 0.2728, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	00FF81
RGB	0, 255, 129
RGB Percent	0%, 100%, 51%
CMY	0.9986, 0.0000, 0.4940
CMYK	1.00, 0.00, 0.49, 0.00
HSL	150°, 100%, 50%
HSV	150°, 100%, 100%
XYZ	39.7272, 73.1050, 32.7953
YIQ	164.3910, -111.5340, -93.2460

Conversions

Conversions Part 2

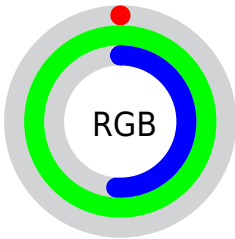
Format	Color
RYB	0, 169, 255
Decimal	65409
CIELab	88.50, -76.58, 46.10
CIELCh	88, 89.388, 148.951
Yxy	73.1050, 0.2728, 0.5020
Android (android.graphics.Color)	4278255489 (0xFF00FF81)
YUV	164.3910, -17.4478, -144.1709
Hunter-Lab	85.5015, -66.6898, 37.1095

Details

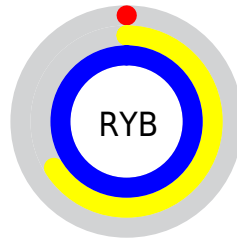
The Yxy color **73.1050, 0.2728, 0.5020** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.7830, 0.5021, 0.2540**, and the grayscale version is **37.5019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6937, 0.2744, 0.4183**, and **40.4543, 0.2827, 0.5376** is the 20% darker color. If you saturate the color by 10%, you get **73.1008, 0.2729, 0.5023**, and if you desaturate by 10%, it is **73.6800, 0.2696, 0.4840**.

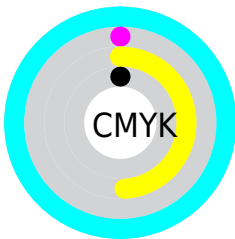
Distribution



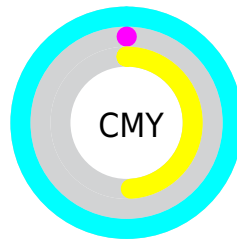
- Red (0%)
- Green (100%)
- Blue (51%)



- 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 73.1050, 0.2728, 0.5020 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 73.1050, 0.2728, 0.5020 by changing the saturation by 10% instead.


 73.1050, 0.2728,
0.5020


 73.1050, 0.2728,
0.5020


471.3786, 0.2957,
0.4146


 54.0618, 0.2664,
0.5235


 123.6263, 0.2817,
0.4704


 38.6511, 0.2578,
0.5507


 155.8731, 0.2849,
0.4584


 26.4884, 0.2459,
0.5860


 193.2900, 0.2875,
0.4483

 17.1894, 0.2288,
0.6329

 236.2613, 0.2897,
0.4397

 10.3696, 0.2028,
0.6969

 285.1715, 0.2915,
0.4321

 5.6447, 0.1657,
0.8041

340.4048, 0.2931,

 2.6303, 0.0284,

0.4256

0.9716

402.3457, 0.2945,
0.4198

■ 0.9419, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.1050, 0.2728,
0.5020

■ 73.1050, 0.2728,
0.5020

■ 73.1008, 0.2729,
0.5023

■ 73.6800, 0.2696,
0.4840


■ 74.5750, 0.2681,
0.4650


■ 75.8775, 0.2686,
0.4453


■ 77.6407, 0.2712,
0.4257

 79.9092, 0.2756,
0.4065

 82.7222, 0.2814,
0.3883

 86.1149, 0.2883,
0.3712

 90.1195, 0.2961,
0.3556

 94.7657, 0.3043,
0.3415

Harmonies

Analogous

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



73.1050, 0.3696, 0.5265



73.1050, 0.2728, 0.5020



73.1050, 0.1921, 0.3923

Triad

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



73.1050, 0.2728, 0.5020



73.1050, 0.1683, 0.1790



73.1050, 0.5098, 0.3318

Complementary

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



73.1050, 0.2728, 0.5020



22.7830, 0.5021, 0.2540

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.



73.1050, 0.4357, 0.2663



73.1050, 0.2728, 0.5020



73.1050, 0.2291, 0.1830

Square

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



73.1050, 0.2728, 0.5020



73.1050, 0.1421, 0.2067



73.1050, 0.3253, 0.2137



73.1050, 0.5134, 0.4032

Rectangle

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



73.1050, 0.2728, 0.5020



73.1050, 0.1585, 0.3111



73.1050, 0.3253, 0.2137



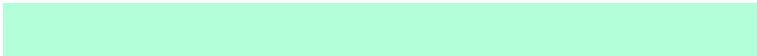
73.1050, 0.4922, 0.3091

Sweetspot

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



73.1080, 0.2728, 0.5020



86.0620, 0.2882, 0.3715



76.0853, 0.3353, 0.5719



18.0998, 0.2852, 0.3785



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.



73.1080, 0.2728, 0.5020



73.1010, 0.2729, 0.5023



78.7421, 0.2247, 0.3287



20.3213, 0.3046, 0.3410



38.2271, 0.2720, 0.4993



3.7441, 0.2663, 0.4787

Inverse Universe

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



22.7830, 0.5021, 0.2540



22.7702, 0.5024, 0.2541



21.2687, 0.6399, 0.3300



18.1369, 0.3216, 0.3173



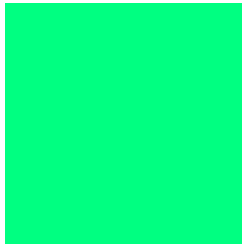
11.9280, 0.4987, 0.2521



1.1834, 0.4730, 0.2379

Previews

White Background



This preview shows how the Yxy color 73.1050, 0.2728, 0.5020 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 73.1050, 0.2728, 0.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

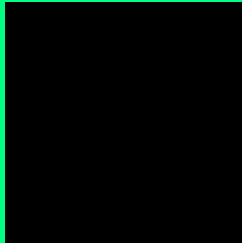
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1050, 0.2728, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 73.1050, 0.2728, 0.5020.

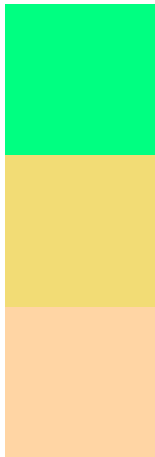


This preview shows how white text looks on a background with the Yxy color 73.1050, 0.2728, 0.5020.

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

73.1050, 0.2728, 0.5020

Protanopia

71.3480, 0.3991, 0.4353

Deuteranopia

71.5288, 0.3807, 0.3796



Tritanopia

72.5800, 0.2417, 0.3089

Trichromacy



Original Color

73.1050, 0.2728, 0.5020



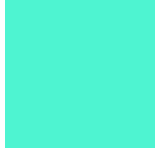
Protanomaly

66.5283, 0.3258, 0.4720



Deuteranomaly

65.4026, 0.3152, 0.4275



Tritanomaly

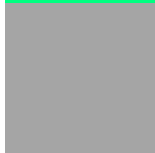
70.9245, 0.2481, 0.3744

Monochromacy



Original Color

73.1050, 0.2728, 0.5020



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6584, 0.2775, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1050, 0.2728, 0.5020 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(0, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 129)  
}
```

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(0, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 129) }
```

Border

The CSS property to change the border of an element to Yxy 73.1050, 0.2728, 0.5020 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(0, 255, 129) }
```

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

```
.border{ border-color:rgb(0, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1050, 0.2728, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 129) }
```

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

```
.background{ background-color: rgb(0, 255,  
129) }
```

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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