

Converting Colors

$Y_{xy}(73.6738, 0.2669, 0.4785)$

Have a look what the booklet for
Yxy(73.6738, 0.2669, 0.4785)
contains.

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Color

Yxy(73.6735, 0.2668, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	0BFF92
RGB	11, 255, 146
RGB Percent	4%, 100%, 57%
CMY	0.9553, 0.0000, 0.4273
CMYK	0.96, 0.00, 0.43, 0.00
HSL	153°, 100%, 52%
HSV	153°, 96%, 100%
XYZ	41.0957, 73.6735, 39.2628
YIQ	169.6180, -110.4350, -85.6270

Conversions

Conversions Part 2

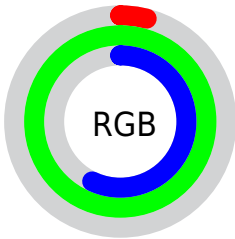
Format	Color
RYB	11, 168, 255
Decimal	786322
CIELab	88.77, -73.50, 38.28
CIELCh	89, 82.872, 152.489
Yxy	73.6735, 0.2668, 0.4783
Android (android.graphics.Color)	4278976402 (0xFF0BFF92)
YUV	169.6180, -11.6437, -139.1080
Hunter-Lab	85.8333, -64.7450, 32.9622

Details

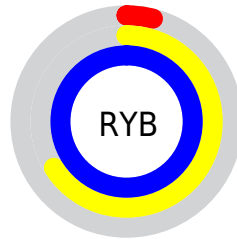
The Yxy color **73.6735, 0.2668, 0.4783** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.8733, 0.5112, 0.2611**, and the grayscale version is **40.1627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5190, 0.2669, 0.3957**, and **40.7407, 0.2748, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **73.4413, 0.2682, 0.4857**, and if you desaturate by 10%, it is **74.3609, 0.2645, 0.4613**.

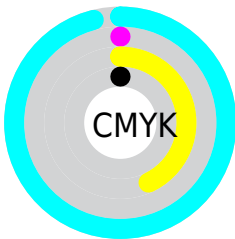
Distribution



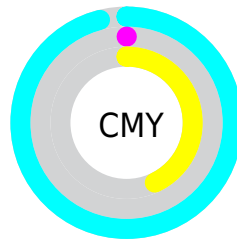
- Red (4%)
- Green (100%)
- Blue (57%)



- Red (4%)
- Yellow (66%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6735, 0.2668, 0.4783 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 73.6735, 0.2668, 0.4783 by changing the saturation by 10% instead.


 73.6735, 0.2668,
0.4783

 73.6735, 0.2668,
0.4783

473.3457, 0.2912,
0.4033


 54.5269, 0.2604,
0.4968


 124.4329, 0.2759,
0.4512

 39.0230, 0.2521,
0.5202

 156.8144, 0.2793,
0.4409

 26.7776, 0.2408,
0.5508

 194.3763, 0.2821,
0.4323

 17.4063, 0.2250,
0.5920

 237.5030, 0.2845,
0.4248

 10.5246, 0.2017,
0.6496

 286.5789, 0.2865,
0.4184

 5.7481, 0.1654,
0.7336


341.9884, 0.2883,


 2.6925, 0.0628,


0.4127


0.9372


404.1159, 0.2899,
0.4078


 0.9734, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.6735, 0.2668,
0.4783


 73.6735, 0.2668,
0.4783


 73.4413, 0.2682,
0.4857


 74.3609, 0.2645,
0.4613

 75.4159, 0.2643,
0.4437


 76.8954, 0.2661,
0.4259


 78.8479, 0.2698,
0.4083

 81.3151, 0.2753,
0.3915

 84.3341, 0.2821,
0.3756

 87.9382, 0.2900,
0.3608

 92.1583, 0.2986,
0.3473

 97.0229, 0.3076,
0.3352

Harmonies

Analogous

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



73.6735, 0.3576, 0.5136



73.6735, 0.2668, 0.4783



73.6735, 0.1937, 0.3741

Triad

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



73.6735, 0.2668, 0.4783



73.6735, 0.1819, 0.1869



73.6735, 0.4996, 0.3413

Complementary

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



73.6735, 0.2668, 0.4783



22.8733, 0.5112, 0.2611

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.



73.6735, 0.4375, 0.2778



73.6735, 0.2668, 0.4783



73.6735, 0.2440, 0.1936

Square

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



73.6735, 0.2668, 0.4783



73.6735, 0.1531, 0.2100



73.6735, 0.3371, 0.2256



73.6735, 0.4971, 0.4098

Rectangle

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



73.6735, 0.2668, 0.4783



73.6735, 0.1643, 0.3019



73.6735, 0.3371, 0.2256



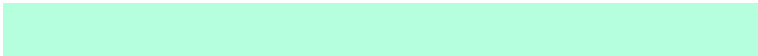
73.6735, 0.4857, 0.3194

Sweetspot

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



73.6704, 0.2668, 0.4783



86.6196, 0.2872, 0.3658



75.6113, 0.3313, 0.5731



18.2145, 0.2838, 0.3721



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.



73.6704, 0.2668, 0.4783



73.4413, 0.2682, 0.4857



71.2873, 0.2209, 0.3138



20.3362, 0.3040, 0.3398



38.4052, 0.2675, 0.4829



3.7614, 0.2622, 0.4638

Inverse Universe

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



22.8733, 0.5112, 0.2611



22.4763, 0.5228, 0.2654



21.9210, 0.6315, 0.3326



18.1221, 0.3224, 0.3184



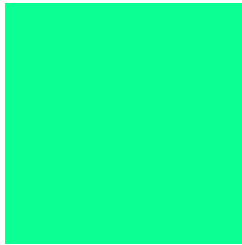
11.7734, 0.5188, 0.2631



1.1680, 0.4906, 0.2476

Previews

White Background



This preview shows how the Yxy color 73.6735, 0.2668, 0.4783 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 73.6735, 0.2668, 0.4783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

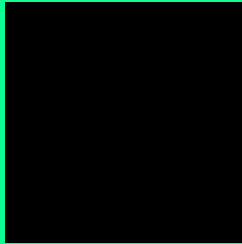
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6735, 0.2668, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 73.6735, 0.2668, 0.4783.



This preview shows how white text looks on a background with the Yxy color 73.6735, 0.2668, 0.4783.

Color Blindness Simulation

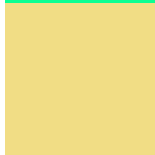
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.6665, 0.2668, 0.4784



Protanopia

72.1071, 0.3879, 0.4215



Deuteranopia

71.7888, 0.3756, 0.3725



Tritanopia

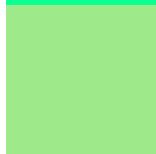
72.8811, 0.2432, 0.3089

Trichromacy



Original Color

73.6665, 0.2668, 0.4784



Protanomaly

67.3819, 0.3194, 0.4500



Deuteranomaly

66.2024, 0.3114, 0.4124



Tritanomaly

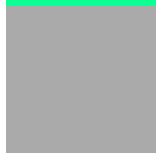
71.5390, 0.2474, 0.3660

Monochromacy



Original Color

73.6665, 0.2668, 0.4784



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.7912, 0.2766, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6735, 0.2668, 0.4783 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(11, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 146)  
}
```

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(11, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 146) }
```

Border

The CSS property to change the border of an element to Yxy 73.6735, 0.2668, 0.4783 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(11, 255, 146) }
```

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

```
.border{ border-color:rgb(11, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6735, 0.2668, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 146) }
```

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

```
.background{ background-color: rgb(11, 255,  
146) }
```

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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