

Converting Colors

$Y_{xy}(73.6697, 0.2653, 0.4752)$

Have a look what the booklet for
Yxy(73.6697, 0.2653, 0.4752)
contains.

Yxy(73.6581, 0.2655, 0.4757)	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(73.6581, 0.2655, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	00FF94
RGB	0, 255, 148
RGB Percent	0%, 100%, 58%
CMY	0.9981, 0.0000, 0.4195
CMYK	1.00, 0.00, 0.42, 0.00
HSL	155°, 100%, 50%
HSV	155°, 100%, 100%
XYZ	41.1104, 73.6581, 40.0730
YIQ	166.5570, -117.6330, -87.3370

Conversions

Conversions Part 2

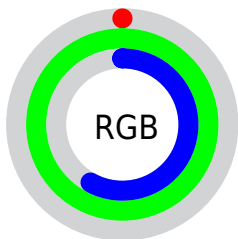
Format	Color
RYB	0, 161, 255
Decimal	65428
CIELab	88.76, -73.42, 37.30
CIELCh	89, 82.353, 153.072
Yxy	73.6581, 0.2655, 0.4757
Android (android.graphics.Color)	4278255508 (0xFF00FF94)
YUV	166.5570, -9.1486, -146.0705
Hunter-Lab	85.8243, -64.6898, 32.3934

Details

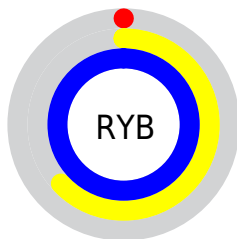
The Yxy color **73.6581, 0.2655, 0.4757** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.3418, 0.5337, 0.2715**, and the grayscale version is **38.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4766, 0.2653, 0.3933**, and **40.7770, 0.2738, 0.5057** is the 20% darker color. If you saturate the color by 10%, you get **73.6514, 0.2656, 0.4760**, and if you desaturate by 10%, it is **74.2327, 0.2628, 0.4599**.

Distribution



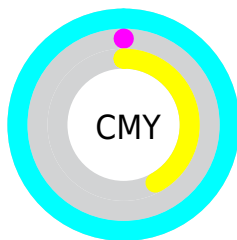
- Red (0%)
- Green (100%)
- Blue (58%)



- Red (0%)
- Yellow (63%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6581, 0.2655, 0.4757 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 73.6581, 0.2655, 0.4757 by changing the saturation by 10% instead.


 73.6581, 0.2655,
0.4757


 73.6581, 0.2655,
0.4757


473.2925, 0.2904,
0.4021


 54.5143, 0.2590,
0.4938

 124.4110, 0.2748,
0.4491

 39.0129, 0.2506,
0.5169

 156.7889, 0.2782,
0.4390

 26.7698, 0.2393,
0.5469

 194.3469, 0.2811,
0.4305

 17.4004, 0.2235,
0.5875

 237.4694, 0.2835,
0.4232

 10.5204, 0.2003,
0.6444

 286.5408, 0.2856,
0.4169

 5.7453, 0.1642,
0.7270


341.9455, 0.2874,

 2.6908, 0.0632,


0.4113


0.9368


404.0680, 0.2890,
0.4064


 0.9725, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.6581, 0.2655,
0.4757


 73.6581, 0.2655,
0.4757

 73.6514, 0.2656,
0.4760

 74.2327, 0.2628,
0.4599

 75.1175, 0.2618,
0.4435

 76.3989, 0.2630,
0.4268

 78.1294, 0.2661,
0.4102

■ 80.3533, 0.2711,
0.3942

■ 83.1091, 0.2777,
0.3789

■ 86.4317, 0.2855,
0.3646

■ 90.3526, 0.2941,
0.3514

■ 94.9012, 0.3034,
0.3395

Harmonies

Analogous

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



73.6581, 0.3557, 0.5126



73.6581, 0.2655, 0.4757



73.6581, 0.1933, 0.3717

Triad

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



73.6581, 0.2655, 0.4757



73.6581, 0.1835, 0.1875



73.6581, 0.4991, 0.3427

Complementary

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



73.6581, 0.2655, 0.4757



22.3418, 0.5337, 0.2715

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.



73.6581, 0.4384, 0.2793



73.6581, 0.2655, 0.4757



73.6581, 0.2459, 0.1946

Square

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



73.6581, 0.2655, 0.4757



73.6581, 0.1541, 0.2099



73.6581, 0.3390, 0.2270



73.6581, 0.4956, 0.4109

Rectangle

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



73.6581, 0.2655, 0.4757



73.6581, 0.1645, 0.3002



73.6581, 0.3390, 0.2270



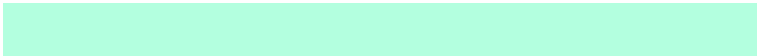
73.6581, 0.4856, 0.3208

Sweetspot

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



73.6611, 0.2655, 0.4757



86.3635, 0.2853, 0.3649



74.8853, 0.3268, 0.5786



18.1713, 0.2819, 0.3707



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.



73.6611, 0.2655, 0.4757



73.6522, 0.2656, 0.4760



68.3905, 0.2188, 0.3077



20.3448, 0.3036, 0.3392



38.5153, 0.2648, 0.4734



3.7719, 0.2598, 0.4552

Inverse Universe

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



22.3418, 0.5337, 0.2715



22.3255, 0.5342, 0.2716



21.6760, 0.6363, 0.3328



18.1138, 0.3228, 0.3190



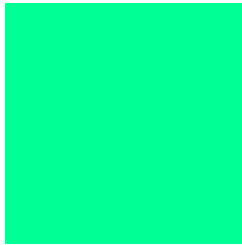
11.6938, 0.5300, 0.2694



1.1598, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 73.6581, 0.2655, 0.4757 looks on a white background.

Color Contrast Check

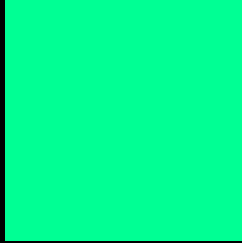
Large Text (above 18pt) WCAG AA × Fail

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 73.6581, 0.2655, 0.4757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

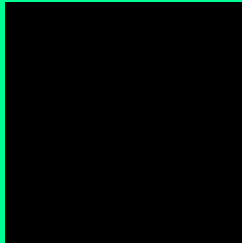
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6581, 0.2655, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 73.6581, 0.2655, 0.4757.

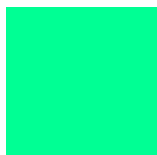


This preview shows how white text looks on a background with the Yxy color 73.6581, 0.2655, 0.4757.

Color Blindness Simulation

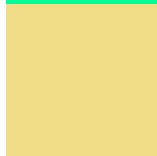
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



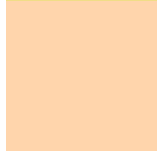
Original Color

73.6581, 0.2655, 0.4757



Protanopia

72.1629, 0.3866, 0.4195



Deuteranopia

71.8271, 0.3748, 0.3714



Tritanopia

72.8811, 0.2432, 0.3089

Trichromacy



Original Color

73.6581, 0.2655, 0.4757



Protanomaly

67.0413, 0.3157, 0.4484



Deuteranomaly

65.8125, 0.3082, 0.4118



Tritanomaly

71.4086, 0.2459, 0.3648

Monochromacy



Original Color

73.6581, 0.2655, 0.4757



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.4491, 0.2734, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6581, 0.2655, 0.4757 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 73.6581, 0.2655, 0.4757 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, 148) }
```

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

```
.border{ border-color:rgb(0, 255, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6581, 0.2655, 0.4757 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, 148) }
```

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

```
.background{ background-color: rgb(0, 255,  
148) }
```

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