

Converting Colors

$Y_{xy}(100.0000, 0.2407, 0.5057)$

Have a look what the booklet for
Yxy(100.0000, 0.2407, 0.5057)
contains.

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Color

Yxy(74.0581, 0.2607, 0.4586)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA0
RGB	0, 255, 160
RGB Percent	0%, 100%, 63%
CMY	1.0000, 0.0000, 0.3726
CMYK	1.00, 0.00, 0.37, 0.00
HSL	158°, 100%, 50%
HSV	158°, 100%, 100%
XYZ	42.0998, 74.0581, 45.3295
YIQ	167.9250, -121.4850, -83.6050

Conversions

Conversions Part 2

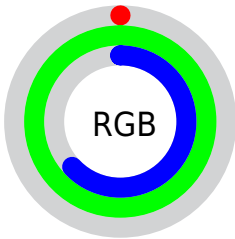
Format	Color
RYB	0, 157, 255
Decimal	65440
CIELab	88.95, -71.23, 31.61
CIELCh	89, 77.930, 156.070
Yxy	74.0581, 0.2607, 0.4586
Android (android.graphics.Color)	4278255520 (0xFF00FFA0)
YUV	167.9250, -3.9070, -147.2702
Hunter-Lab	86.0570, -63.2762, 29.0096

Details

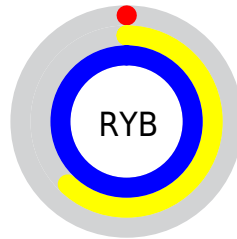
The Yxy color **74.0581, 0.2607, 0.4586** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.0863, 0.5538, 0.2824**, and the grayscale version is **39.1827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0711, 0.2599, 0.3777**, and **41.0152, 0.2680, 0.4848** is the 20% darker color. If you saturate the color by 10%, you get **74.0579, 0.2607, 0.4586**, and if you desaturate by 10%, it is **74.6163, 0.2584, 0.4444**.

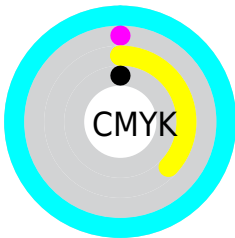
Distribution



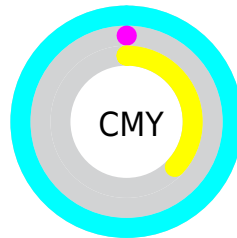
- Red (0%)
- Green (100%)
- Blue (63%)



- Red (0%)
- Yellow (62%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0581, 0.2607, 0.4586 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 74.0581, 0.2607, 0.4586 by changing the saturation by 10% instead.


 74.0581, 0.2607,
0.4586

 74.0581, 0.2607,
0.4586


474.6739, 0.2871,
0.3940


 54.8416, 0.2541,
0.4745


 124.9782, 0.2703,
0.4353


 39.2749, 0.2457,
0.4946


 157.4505, 0.2739,
0.4265

 26.9737, 0.2345,
0.5210


 195.1103, 0.2770,
0.4190

 17.5534, 0.2193,
0.5566

 238.3418, 0.2796,
0.4126

 10.6299, 0.1973,
0.6071

 287.5296, 0.2818,
0.4070

 5.8185, 0.1639,
0.6819


343.0579, 0.2838,

 2.7350, 0.0832,


0.4021


0.8925


405.3112, 0.2855,
0.3978


 0.9950, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.0581, 0.2607,
0.4586


 74.0581, 0.2607,
0.4586


 74.0579, 0.2607,
0.4586


 74.6163, 0.2584,
0.4444


 75.4783, 0.2578,
0.4299


 76.7293, 0.2593,
0.4152


 78.4218, 0.2628,
0.4007

 80.5999, 0.2682,
0.3866

 83.3019, 0.2752,
0.3732

 86.5626, 0.2834,
0.3606

 90.4134, 0.2926,
0.3490

 94.8835, 0.3025,
0.3385

Harmonies

Analogous

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



74.0581, 0.3463, 0.5022



74.0581, 0.2607, 0.4586



74.0581, 0.1942, 0.3590

Triad

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



74.0581, 0.2607, 0.4586



74.0581, 0.1939, 0.1932



74.0581, 0.4917, 0.3499

Complementary

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



74.0581, 0.2607, 0.4586



22.0863, 0.5538, 0.2824

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.



74.0581, 0.4396, 0.2878



74.0581, 0.2607, 0.4586



74.0581, 0.2572, 0.2025

Square

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



74.0581, 0.2607, 0.4586



74.0581, 0.1623, 0.2122



74.0581, 0.3477, 0.2359



74.0581, 0.4836, 0.4155

Rectangle

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



74.0581, 0.2607, 0.4586



74.0581, 0.1686, 0.2936



74.0581, 0.3477, 0.2359



74.0581, 0.4808, 0.3285

Sweetspot

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



74.0579, 0.2607, 0.4586



86.5626, 0.2834, 0.3606



74.1028, 0.3210, 0.5834



18.2187, 0.2798, 0.3658



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.



74.0579, 0.2607, 0.4586



61.2057, 0.2142, 0.2910



20.3599, 0.3030, 0.3380



38.7267, 0.2601, 0.4562



3.7918, 0.2556, 0.4400

Inverse Universe

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



22.0863, 0.5538, 0.2824



22.1759, 0.6322, 0.3362



18.0990, 0.3235, 0.3202



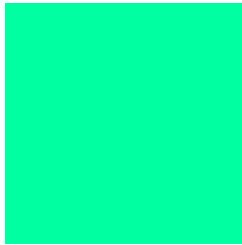
11.5670, 0.5495, 0.2801



1.1465, 0.5185, 0.2630

Previews

White Background



This preview shows how the Yxy color 74.0581, 0.2607, 0.4586 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 74.0581, 0.2607, 0.4586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

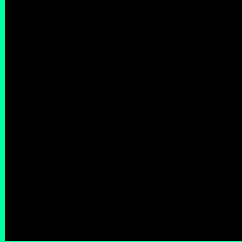
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0581, 0.2607, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 74.0581, 0.2607, 0.4586.



This preview shows how white text looks on a background with the Yxy color 74.0581, 0.2607, 0.4586.

Color Blindness Simulation

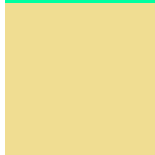
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



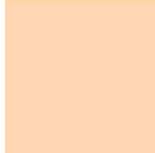
Original Color

74.0581, 0.2607, 0.4586



Protanopia

72.3135, 0.3786, 0.4087



Deuteranopia

72.0629, 0.3703, 0.3652



Tritanopia

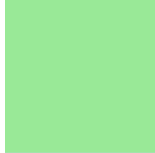
73.6201, 0.2442, 0.3102

Trichromacy



Original Color

74.0581, 0.2607, 0.4586



Protanomaly

67.2845, 0.3090, 0.4344



Deuteranomaly

66.1085, 0.3034, 0.4013



Tritanomaly

72.2660, 0.2448, 0.3606

Monochromacy



Original Color

74.0581, 0.2607, 0.4586



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

47.1510, 0.2711, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0581, 0.2607, 0.4586 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 74.0581, 0.2607, 0.4586 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, 160) }
```

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

```
.border{ border-color:rgb(0, 255, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
160) }
```

Background

The CSS property to change the background color of an element to Yxy 74.0581, 0.2607, 0.4586 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, 160) }
```

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

```
.background{ background-color: rgb(0, 255,  
160) }
```

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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