

Converting Colors

$Y_{xy}(74.4557, 0.2576, 0.4454)$

Have a look what the booklet for
Yxy(74.4557, 0.2576, 0.4454)
contains.

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Color

Yxy(74.4557, 0.2576, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	0BFFA9
RGB	11, 255, 169
RGB Percent	4%, 100%, 66%
CMY	0.9564, 0.0000, 0.3372
CMYK	0.96, 0.00, 0.34, 0.00
HSL	159°, 100%, 52%
HSV	159°, 96%, 100%
XYZ	43.0619, 74.4557, 49.6483
YIQ	172.2400, -117.8180, -78.4740

Conversions

Conversions Part 2

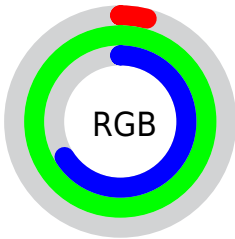
Format	Color
RYB	11, 159, 255
Decimal	786345
CIELab	89.14, -69.16, 27.33
CIELCh	89, 74.363, 158.434
Yxy	74.4557, 0.2576, 0.4454
Android (android.graphics.Color)	4278976425 (0xFF0BFFA9)
YUV	172.2400, -1.5973, -141.4075
Hunter-Lab	86.2877, -61.9230, 26.2871

Details

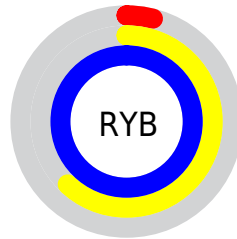
The Yxy color **74.4557, 0.2576, 0.4454** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.3671, 0.5492, 0.2822**, and the grayscale version is **41.4564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7382, 0.2562, 0.3649**, and **41.1935, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **74.2404, 0.2587, 0.4512**, and if you desaturate by 10%, it is **75.1213, 0.2561, 0.4319**.

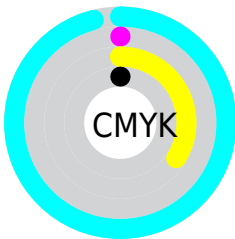
Distribution



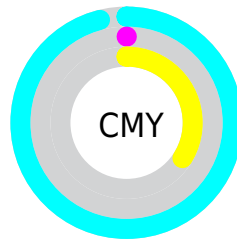
- Red (4%)
- Green (100%)
- Blue (66%)



- Red (4%)
- Yellow (62%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4557, 0.2576, 0.4454 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 74.4557, 0.2576, 0.4454 by changing the saturation by 10% instead.


 74.4557, 0.2576,
0.4454


 74.4557, 0.2576,
0.4454


476.0447, 0.2849,
0.3877


 55.1671, 0.2509,
0.4595


 125.5416, 0.2674,
0.4246


 39.5355, 0.2425,
0.4774

 158.1076, 0.2711,
0.4168


 27.1766, 0.2315,
0.5007


 195.8683, 0.2743,
0.4101

 17.7059, 0.2166,
0.5323

 239.2080, 0.2770,
0.4044

 10.7390, 0.1955,
0.5772

 288.5111, 0.2794,
0.3994

 5.8916, 0.1640,
0.6444

344.1620, 0.2814,

 2.7793, 0.0930,

0.3950

0.7940

406.5450, 0.2833,
0.3912

■ 1.0176, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.4557, 0.2576,
0.4454

■ 74.4557, 0.2576,
0.4454


■ 74.2404, 0.2587,
0.4512


■ 75.1213, 0.2561,
0.4319


■ 76.1361, 0.2566,
0.4181


■ 77.5615, 0.2591,
0.4043

■ 79.4458, 0.2637,
0.3908

 81.8301, 0.2700,
0.3778

 84.7512, 0.2777,
0.3654

 88.2420, 0.2867,
0.3540

 92.3330, 0.2964,
0.3435

 97.0522, 0.3068,
0.3339

Harmonies

Analogous

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



74.4557, 0.3393, 0.4929



74.4557, 0.2576, 0.4454



74.4557, 0.1956, 0.3501

Triad

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



74.4557, 0.2576, 0.4454



74.4557, 0.2023, 0.1982



74.4557, 0.4851, 0.3551

Complementary

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



74.4557, 0.2576, 0.4454



22.3671, 0.5492, 0.2822

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.



74.4557, 0.4394, 0.2944



74.4557, 0.2576, 0.4454



74.4557, 0.2659, 0.2090

Square

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



74.4557, 0.2576, 0.4454



74.4557, 0.1693, 0.2146



74.4557, 0.3537, 0.2430



74.4557, 0.4739, 0.4183

Rectangle

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



74.4557, 0.2576, 0.4454



74.4557, 0.1724, 0.2894



74.4557, 0.3537, 0.2430



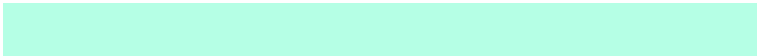
74.4557, 0.4761, 0.3343

Sweetspot

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



74.4574, 0.2576, 0.4454



87.0030, 0.2836, 0.3577



74.2849, 0.3216, 0.5807



18.3062, 0.2798, 0.3627



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.



74.4574, 0.2576, 0.4454



74.2404, 0.2587, 0.4512



59.7915, 0.2136, 0.2874



20.3663, 0.3027, 0.3375



38.8216, 0.2581, 0.4490



3.8007, 0.2538, 0.4336

Inverse Universe

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



22.3671, 0.5492, 0.2822



21.9964, 0.5617, 0.2868



23.0591, 0.6223, 0.3401



18.0928, 0.3239, 0.3206



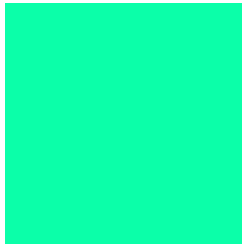
11.5192, 0.5573, 0.2844



1.1414, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 74.4557, 0.2576, 0.4454 looks on a white background.

Color Contrast Check

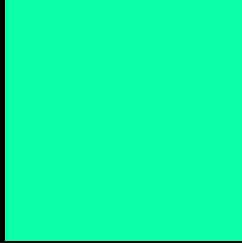
Large Text (above 18pt) WCAG AA × Fail

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 74.4557, 0.2576, 0.4454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

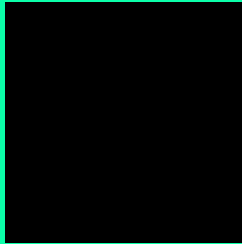
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4557, 0.2576, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 74.4557, 0.2576, 0.4454.

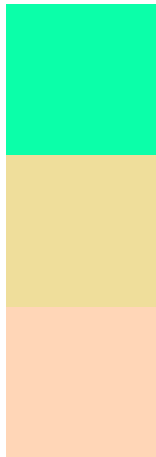


This preview shows how white text looks on a background with the Yxy color 74.4557, 0.2576, 0.4454.

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

74.4557, 0.2576, 0.4454

Protanopia

72.9598, 0.3714, 0.4006

Deuteranopia

72.7720, 0.3663, 0.3610



Tritanopia

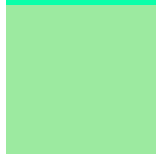
73.8585, 0.2454, 0.3102

Trichromacy



Original Color

74.4557, 0.2576, 0.4454



Protanomaly

68.4516, 0.3058, 0.4231



Deuteranomaly

67.3600, 0.3019, 0.3927



Tritanomaly

72.7613, 0.2448, 0.3553

Monochromacy



Original Color

74.4557, 0.2576, 0.4454



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.6920, 0.2713, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4557, 0.2576, 0.4454 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 169) }
```

Border

The CSS property to change the border of an element to Yxy 74.4557, 0.2576, 0.4454 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, 169) }
```

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

```
.border{ border-color:rgb(11, 255, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4557, 0.2576, 0.4454 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, 169) }
```

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

```
.background{ background-color: rgb(11, 255,  
169) }
```

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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