

Converting Colors

$Yxy(74.4147, 0.2686, 0.4688)$

Have a look what the booklet for
Yxy(74.4147, 0.2686, 0.4688)
contains.

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Color

Yxy(74.4154, 0.2684, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	30FF98
RGB	48, 255, 152
RGB Percent	19%, 100%, 60%
CMY	0.8122, 0.0000, 0.4040
CMYK	0.81, 0.00, 0.40, 0.00
HSL	150°, 100%, 59%
HSV	150°, 81%, 100%
XYZ	42.6411, 74.4154, 41.8150
YIQ	181.3650, -90.3090, -75.9170

Conversions

Conversions Part 2

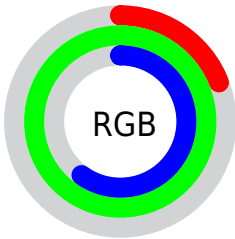
Format	Color
RYB	48, 186, 255
Decimal	3211160
CIELab	89.12, -70.33, 35.86
CIELCh	89, 78.947, 152.981
Yxy	74.4154, 0.2684, 0.4684
Android (android.graphics.Color)	4281401240 (0xFF30FF98)
YUV	181.3650, -14.4769, -116.9611
Hunter-Lab	86.2644, -62.7288, 31.6454

Details

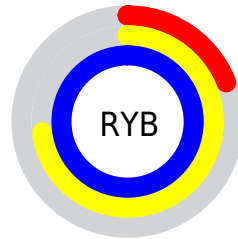
The Yxy color **74.4154, 0.2684, 0.4684** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.5955, 0.4554, 0.2435**, and the grayscale version is **46.5118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6921, 0.2691, 0.3872**, and **40.8526, 0.2719, 0.4989** is the 20% darker color. If you saturate the color by 10%, you get **73.5679, 0.2702, 0.4874**, and if you desaturate by 10%, it is **75.6561, 0.2687, 0.4487**.

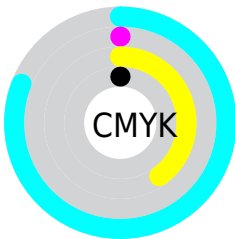
Distribution



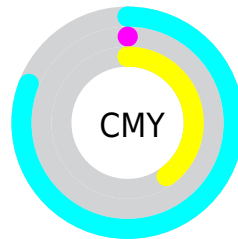
- Red (19%)
- Green (100%)
- Blue (60%)



- Red (19%)
- Yellow (73%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4154, 0.2684, 0.4684 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 74.4154, 0.2684, 0.4684 by changing the saturation by 10% instead.


 74.4154, 0.2684,
0.4684


 74.4154, 0.2684,
0.4684


475.9058, 0.2917,
0.3988


 55.1341, 0.2624,
0.4855

 125.4845, 0.2770,
0.4433


 39.5091, 0.2546,
0.5072


 158.0411, 0.2802,
0.4338

 27.1560, 0.2441,
0.5355


 195.7915, 0.2829,
0.4257

 17.6904, 0.2295,
0.5736

 239.1203, 0.2852,
0.4188

 10.7280, 0.2080,
0.6272

288.4117, 0.2871,
0.4128

 5.8842, 0.1744,
0.7054


344.0501, 0.2888,


 2.7748, 0.0960,


0.4075


0.9040

406.4200, 0.2903,
0.4029

 1.0153, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.4154, 0.2684,
0.4684


 74.4154, 0.2684,
0.4684


 73.5679, 0.2702,
0.4874


 75.6561, 0.2687,
0.4487

 73.0830, 0.2731,
0.5032


 77.3545, 0.2709,
0.4289


 79.5530, 0.2750,
0.4095

 82.2914, 0.2806,
0.3910

 85.6055, 0.2874,
0.3737

 89.5276, 0.2951,
0.3578

 94.0879, 0.3032,
0.3434

 99.3144, 0.3117,
0.3305

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.4154, 0.3554, 0.5043



74.4154, 0.2684, 0.4684



74.4154, 0.1984, 0.3703

Triad

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



74.4154, 0.2684, 0.4684



74.4154, 0.1880, 0.1925



74.4154, 0.4910, 0.3431

Complementary

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



74.4154, 0.2684, 0.4684



25.5955, 0.4554, 0.2435

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.



74.4154, 0.4327, 0.2813



74.4154, 0.2684, 0.4684



74.4154, 0.2485, 0.1992

Square

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



74.4154, 0.2684, 0.4684



74.4154, 0.1595, 0.2149



74.4154, 0.3379, 0.2306



74.4154, 0.4887, 0.4092

Rectangle

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



74.4154, 0.2684, 0.4684



74.4154, 0.1701, 0.3024



74.4154, 0.3379, 0.2306



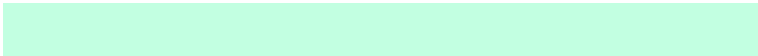
74.4154, 0.4779, 0.3218

Sweetspot

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



74.4121, 0.2684, 0.4684



88.3752, 0.2929, 0.3621



78.3541, 0.3441, 0.5487



18.6148, 0.2902, 0.3677



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.



74.4121, 0.2684, 0.4684



73.2346, 0.2721, 0.4979



79.3656, 0.2279, 0.3288



20.3205, 0.3047, 0.3411



38.2176, 0.2723, 0.5002



3.7432, 0.2665, 0.4795

Inverse Universe

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



25.5955, 0.4554, 0.2435



23.0560, 0.4942, 0.2510



23.5769, 0.5991, 0.3298



18.1378, 0.3216, 0.3172



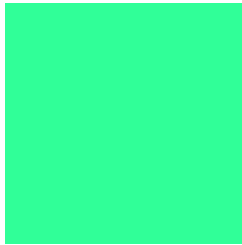
11.9373, 0.4976, 0.2515



1.1843, 0.4720, 0.2374

Previews

White Background



This preview shows how the Yxy color 74.4154, 0.2684, 0.4684 looks on a white background.

Color Contrast Check

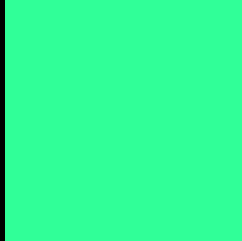
Large Text (above 18pt) WCAG AA × Fail

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 74.4154, 0.2684, 0.4684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

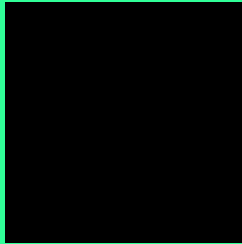
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4154, 0.2684, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 74.4154, 0.2684, 0.4684.

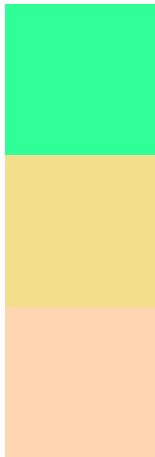


This preview shows how white text looks on a background with the Yxy color 74.4154, 0.2684, 0.4684.

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

74.4154, 0.2684, 0.4684

Protanopia

72.9839, 0.3844, 0.4162

Deuteranopia

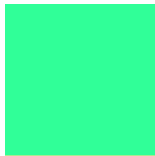
72.4877, 0.3715, 0.3683



Tritanopia

74.0213, 0.2463, 0.3103

Trichromacy



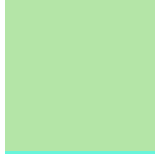
Original Color

74.4154, 0.2684, 0.4684



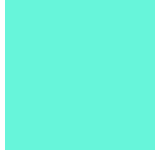
Protanomaly

69.5172, 0.3246, 0.4403



Deuteranomaly

68.5319, 0.3179, 0.4048



Tritanomaly

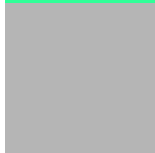
73.2503, 0.2521, 0.3627

Monochromacy



Original Color

74.4154, 0.2684, 0.4684



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.0006, 0.2847, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4154, 0.2684, 0.4684 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(48, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(48, 255, 152)  
}
```

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(48, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 255, 152) }
```

Border

The CSS property to change the border of an element to Yxy 74.4154, 0.2684, 0.4684 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(48, 255, 152) }
```

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

```
.border{ border-color:rgb(48, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(48, 255,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4154, 0.2684, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 255, 152) }
```

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

```
.background{ background-color: rgb(48, 255,  
152) }
```

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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