

Converting Colors

$Yxy(74.4207, 0.2634, 0.4578)$

Have a look what the booklet for
Yxy(74.4207, 0.2634, 0.4578)
contains.

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Color

Yxy(74.4331, 0.2634, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	24FFA0
RGB	36, 255, 160
RGB Percent	14%, 100%, 63%
CMY	0.8581, 0.0000, 0.3726
CMYK	0.86, 0.00, 0.37, 0.00
HSL	154°, 100%, 57%
HSV	154°, 86%, 100%
XYZ	42.8352, 74.4331, 45.3559
YIQ	178.6890, -100.0290, -75.9730

Conversions

Conversions Part 2

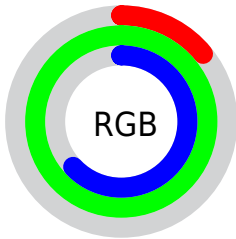
Format	Color
RYB	36, 176, 255
Decimal	2424736
CIELab	89.13, -69.79, 31.89
CIELCh	89, 76.726, 155.444
Yxy	74.4331, 0.2634, 0.4577
Android (android.graphics.Color)	4280614816 (0xFF24FFA0)
YUV	178.6890, -9.2137, -125.1383
Hunter-Lab	86.2746, -62.3556, 29.2226

Details

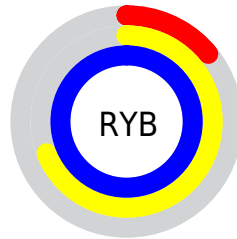
The Yxy color **74.4331, 0.2634, 0.4577** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.1761, 0.4895, 0.2573**, and the grayscale version is **45.0221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6373, 0.2629, 0.3773**, and **41.0152, 0.2680, 0.4848** is the 20% darker color. If you saturate the color by 10%, you get **73.7558, 0.2656, 0.4743**, and if you desaturate by 10%, it is **75.4758, 0.2632, 0.4406**.

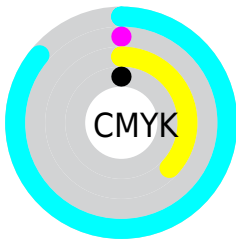
Distribution



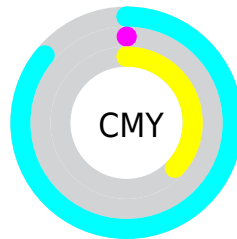
- Red (14%)
- Green (100%)
- Blue (63%)



- Red (14%)
- Yellow (69%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4331, 0.2634, 0.4577 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 74.4331, 0.2634, 0.4577 by changing the saturation by 10% instead.

 74.4331, 0.2634,
0.4577

 74.4331, 0.2634,
0.4577


475.9668, 0.2885,
0.3936

 55.1486, 0.2571,
0.4734

 125.5096, 0.2726,
0.4346


 39.5207, 0.2490,
0.4934

 158.0703, 0.2760,
0.4258

 27.1650, 0.2383,
0.5194


 195.8253, 0.2789,
0.4184

 17.6972, 0.2236,
0.5546

 239.1588, 0.2814,
0.4121

 10.7328, 0.2024,
0.6044

288.4553, 0.2835,
0.4065

 5.8875, 0.1700,
0.6782


344.0992, 0.2854,


 2.7768, 0.0977,


0.4017


0.8782


406.4749, 0.2870,
0.3974


 1.0163, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.4331, 0.2634,
0.4577


 74.4331, 0.2634,
0.4577


 73.7558, 0.2656,
0.4743


 75.4758, 0.2632,
0.4406

 73.5419, 0.2669,
0.4810


 76.9371, 0.2650,
0.4233

 78.8680, 0.2688,
0.4064

 81.3106, 0.2744,
0.3900

 84.3016, 0.2813,
0.3746

 87.8747, 0.2893,
0.3602

 92.0605, 0.2981,
0.3471

 96.8876, 0.3073,
0.3353

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.



74.4331, 0.3480, 0.4992



74.4331, 0.2634, 0.4577



74.4331, 0.1971, 0.3608

Triad

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



74.4331, 0.2634, 0.4577



74.4331, 0.1946, 0.1952



74.4331, 0.4883, 0.3486

Complementary

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



74.4331, 0.2634, 0.4577



24.1761, 0.4895, 0.2573

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.



74.4331, 0.4359, 0.2874



74.4331, 0.2634, 0.4577



74.4331, 0.2565, 0.2038

Square

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



74.4331, 0.2634, 0.4577



74.4331, 0.1640, 0.2148



74.4331, 0.3452, 0.2363



74.4331, 0.4819, 0.4134

Rectangle

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



74.4331, 0.2634, 0.4577



74.4331, 0.1712, 0.2963



74.4331, 0.3452, 0.2363



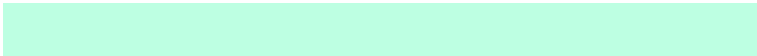
74.4331, 0.4771, 0.3276

Sweetspot

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



74.4355, 0.2634, 0.4577



87.8030, 0.2891, 0.3605



76.7699, 0.3362, 0.5609



18.5149, 0.2863, 0.3653



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.



74.4355, 0.2634, 0.4577



73.5419, 0.2669, 0.4810



72.3348, 0.2230, 0.3154



20.3404, 0.3038, 0.3395



38.4578, 0.2662, 0.4783



3.7664, 0.2610, 0.4597

Inverse Universe

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



24.1761, 0.4895, 0.2573



22.4017, 0.5283, 0.2684



23.4305, 0.6085, 0.3348



18.1181, 0.3226, 0.3187



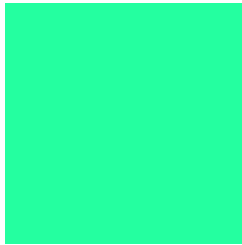
11.7341, 0.5242, 0.2662



1.1640, 0.4955, 0.2503

Previews

White Background



This preview shows how the Yxy color 74.4331, 0.2634, 0.4577 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 74.4331, 0.2634, 0.4577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

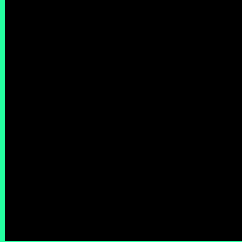
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4331, 0.2634, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 74.4331, 0.2634, 0.4577.

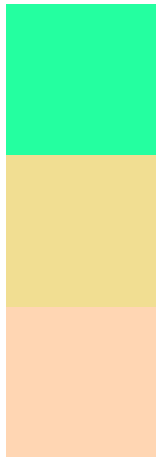


This preview shows how white text looks on a background with the Yxy color 74.4331, 0.2634, 0.4577.

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

74.4331, 0.2634, 0.4577

Protanopia

73.0186, 0.3790, 0.4095

Deuteranopia

72.6078, 0.3693, 0.3652



Tritanopia

73.9395, 0.2458, 0.3103

Trichromacy



Original Color

74.4331, 0.2634, 0.4577



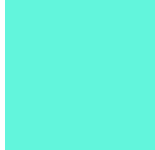
Protanomaly

69.2955, 0.3180, 0.4325



Deuteranomaly

68.1311, 0.3114, 0.3992



Tritanomaly

73.0688, 0.2495, 0.3603

Monochromacy



Original Color

74.4331, 0.2634, 0.4577



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.1162, 0.2797, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4331, 0.2634, 0.4577 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(36, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 74.4331, 0.2634, 0.4577 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(36, 255, 160) }
```

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

```
.border{ border-color:rgb(36, 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(36, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
160) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 74.4331, 0.2634, 0.4577$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 160) }
```

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

```
.background{ background-color: rgb(36, 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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