

Converting Colors

$Y_{xy}(74.1339, 0.2736, 0.4840)$

Have a look what the booklet for
Yxy(74.1339, 0.2736, 0.4840)
contains.

Yxy(74.1469, 0.2734, 0.4834)	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(74.1469, 0.2734, 0.4834)

Conversions

Conversions Part 1

Format	Color
Hex	33FF8D
RGB	51, 255, 141
RGB Percent	20%, 100%, 55%
CMY	0.7997, 0.0000, 0.4470
CMYK	0.80, 0.00, 0.45, 0.00
HSL	146°, 100%, 60%
HSV	146°, 80%, 100%
XYZ	41.9358, 74.1469, 37.3035
YIQ	181.0080, -84.9900, -78.7020

Conversions

Conversions Part 2

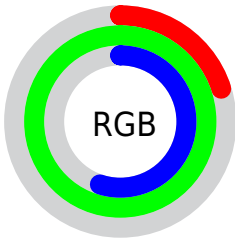
Format	Color
RYB	51, 193, 255
Decimal	3407757
CIELab	88.99, -71.91, 41.07
CIELCh	89, 82.812, 150.264
Yxy	74.1469, 0.2734, 0.4834
Android (android.graphics.Color)	4281597837 (0xFF33FF8D)
YUV	181.0080, -19.7239, -114.0170
Hunter-Lab	86.1086, -63.7587, 34.5907

Details

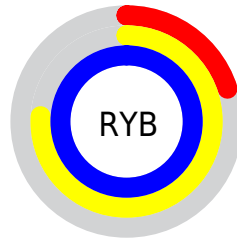
The Yxy color **74.1469, 0.2734, 0.4834** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **26.3525, 0.4329, 0.2318**, and the grayscale version is **46.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2513, 0.2746, 0.4013**, and **40.6538, 0.2771, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **73.2599, 0.2753, 0.5043**, and if you desaturate by 10%, it is **75.4554, 0.2735, 0.4615**.

Distribution



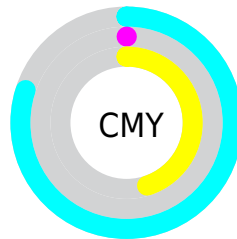
- Red (20%)
- Green (100%)
- Blue (55%)



- Red (20%)
- Yellow (76%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1469, 0.2734, 0.4834 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 74.1469, 0.2734, 0.4834 by changing the saturation by 10% instead.


 74.1469, 0.2734,
0.4834

 74.1469, 0.2734,
0.4834


474.9802, 0.2950,
0.4060


 54.9143, 0.2675,
0.5024


 125.1040, 0.2816,
0.4554

 39.3331, 0.2598,
0.5265


 157.5973, 0.2846,
0.4448

 27.0190, 0.2492,
0.5578


 195.2796, 0.2871,
0.4359

 17.5875, 0.2342,
0.5998

 238.5354, 0.2892,
0.4282

 10.6542, 0.2115,
0.6581

287.7489, 0.2910,
0.4215

 5.8348, 0.1762,
0.7443

343.3046, 0.2925,

 2.7449, 0.0813,

0.4157

0.9187

405.5869, 0.2939,
0.4105

■ 1.0001, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.1469, 0.2734,
0.4834

■ 74.1469, 0.2734,
0.4834

■ 73.2599, 0.2753,
0.5043

■ 75.4554, 0.2735,
0.4615

■ 72.7015, 0.2787,
0.5235

■ 77.2329, 0.2756,
0.4392

■ 72.7002, 0.2788,
0.5235

■ 79.5270, 0.2794,
0.4174

■ 82.3774, 0.2846,
0.3966

■ 85.8200, 0.2908,
0.3772

■ 89.8874, 0.2978,
0.3594

■ 94.6099, 0.3052,
0.3433

■ 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.



74.1469, 0.3642, 0.5123



74.1469, 0.2734, 0.4834



74.1469, 0.1983, 0.3825

Triad

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



74.1469, 0.2734, 0.4834



74.1469, 0.1790, 0.1878



74.1469, 0.4967, 0.3365

Complementary

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



74.1469, 0.2734, 0.4834



26.3525, 0.4329, 0.2318

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.



74.1469, 0.4305, 0.2736



74.1469, 0.2734, 0.4834



74.1469, 0.2384, 0.1925

Square

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



74.1469, 0.2734, 0.4834



74.1469, 0.1525, 0.2135



74.1469, 0.3295, 0.2227



74.1469, 0.4990, 0.4045

Rectangle

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



74.1469, 0.2734, 0.4834



74.1469, 0.1671, 0.3093



74.1469, 0.3295, 0.2227



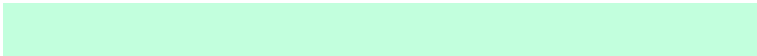
74.1469, 0.4811, 0.3147

Sweetspot

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



74.1490, 0.2734, 0.4834



88.1722, 0.2949, 0.3663



79.9349, 0.3529, 0.5402



18.5663, 0.2924, 0.3727



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.



74.1490, 0.2734, 0.4834



72.8978, 0.2773, 0.5160



78.6007, 0.2332, 0.3454



20.3013, 0.3055, 0.3426



38.0163, 0.2779, 0.5205



3.7231, 0.2718, 0.4983

Inverse Universe

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



26.3525, 0.4329, 0.2318



23.5891, 0.4666, 0.2361



24.0115, 0.5807, 0.3215



18.1571, 0.3206, 0.3158



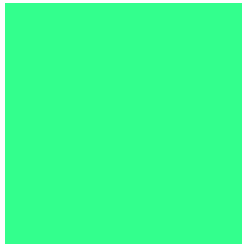
12.1683, 0.4715, 0.2371



1.2068, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 74.1469, 0.2734, 0.4834 looks on a white background.

Color Contrast Check

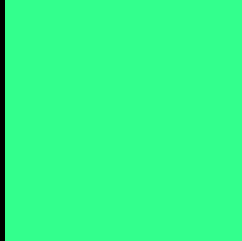
Large Text (above 18pt) WCAG AA × Fail

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 74.1469, 0.2734, 0.4834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

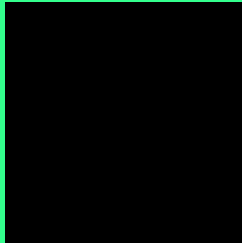
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.1469, 0.2734, 0.4834

Background



This preview shows how black text looks on a background with the Yxy color 74.1469, 0.2734, 0.4834.

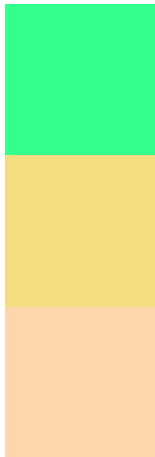


This preview shows how white text looks on a background with the Yxy color 74.1469, 0.2734, 0.4834.

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

74.1469, 0.2734, 0.4834

Protanopia

72.3261, 0.3927, 0.4257

Deuteranopia

72.2934, 0.3752, 0.3734



Tritanopia

73.3556, 0.2456, 0.3091

Trichromacy



Original Color

74.1469, 0.2734, 0.4834



Protanomaly

68.8555, 0.3323, 0.4522



Deuteranomaly

68.4004, 0.3228, 0.4134



Tritanomaly

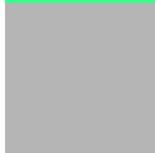
72.4400, 0.2536, 0.3668

Monochromacy



Original Color

74.1469, 0.2734, 0.4834



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.9333, 0.2878, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1469, 0.2734, 0.4834 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(51, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 141)  
}
```

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(51, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 141) }
```

Border

The CSS property to change the border of an element to Yxy 74.1469, 0.2734, 0.4834 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(51, 255, 141) }
```

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

```
.border{ border-color:rgb(51, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1469, 0.2734, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 141) }
```

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

```
.background{ background-color: rgb(51, 255,  
141) }
```

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