

Converting Colors

$Y_{xy}(74.1641, 0.2548, 0.4330)$

Have a look what the booklet for
Yxy(74.1641, 0.2548, 0.4330)
contains.

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Color

Yxy(74.2174, 0.2547, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	15FEB1
RGB	21, 254, 177
RGB Percent	8%, 100%, 69%
CMY	0.9176, 0.0039, 0.3059
CMYK	0.92, 0.00, 0.30, 0.00
HSL	160°, 99%, 54%
HSV	160°, 92%, 100%
XYZ	43.6866, 74.2174, 53.6177
YIQ	175.5550, -114.1510, -73.3430

Conversions

Conversions Part 2

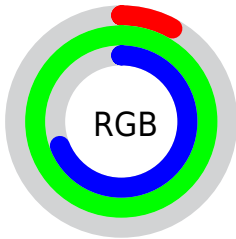
Format	Color
R_{YB}	21, 161, 254
Decimal	1441457
CIE Lab	89.03, -66.83, 23.14
CIE LCh	89, 70.719, 160.898
Yxy	74.2174, 0.2547, 0.4327
Android (android.graphics.Color)	4279631537 (0xFF15FEB1)
YUV	175.5550, 0.7124, -135.5447
Hunter-Lab	86.1495, -60.2440, 23.4038

Details

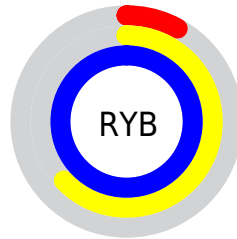
The Yxy color **74.2174, 0.2547, 0.4327** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **22.4899, 0.5456, 0.2831**, and the grayscale version is **43.2143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3251, 0.2535, 0.3549**, and **40.9351, 0.2596, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **73.7911, 0.2564, 0.4431**, and if you desaturate by 10%, it is **74.9962, 0.2541, 0.4199**.

Distribution



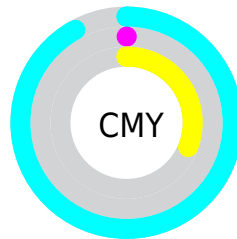
- Red (8%)
- Green (100%)
- Blue (69%)



- Red (8%)
- Yellow (63%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2174, 0.2547, 0.4327 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 74.2174, 0.2547, 0.4327 by changing the saturation by 10% instead.

 74.2174, 0.2547,
0.4327

 74.2174, 0.2547,
0.4327


475.2233, 0.2829,
0.3816


 54.9720, 0.2479,
0.4451


 125.2039, 0.2647,
0.4144


 39.3793, 0.2395,
0.4609


 157.7139, 0.2686,
0.4074

 27.0549, 0.2285,
0.4814


 195.4141, 0.2718,
0.4015

 17.6145, 0.2138,
0.5092

 238.6890, 0.2747,
0.3964

 10.6736, 0.1932,
0.5486

 287.9230, 0.2771,
0.3920

 5.8478, 0.1629,
0.6081


343.5004, 0.2793,

 2.7527, 0.0975,


0.3881


0.7247


405.8058, 0.2812,
0.3847


 1.0040, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.2174, 0.2547,
0.4327

 74.2174, 0.2547,
0.4327

 73.7911, 0.2564,
0.4431


 74.9962, 0.2541,
0.4199


 76.1422, 0.2556,
0.4071


 77.7120, 0.2592,
0.3943


 79.7502, 0.2646,
0.3819

 82.2957, 0.2717,
0.3700

 85.3831, 0.2802,
0.3588

 89.0440, 0.2898,
0.3484

 93.3075, 0.3001,
0.3390

 98.2006, 0.3108,
0.3304

Harmonies

Analogous

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



74.2174, 0.3324, 0.4834



74.2174, 0.2547, 0.4327



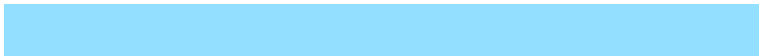
74.2174, 0.1972, 0.3419

Triad

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



74.2174, 0.2547, 0.4327



74.2174, 0.2108, 0.2032



74.2174, 0.4783, 0.3600

Complementary

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



74.2174, 0.2547, 0.4327



22.4899, 0.5456, 0.2831

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.



74.2174, 0.4388, 0.3009



74.2174, 0.2547, 0.4327



74.2174, 0.2744, 0.2156

Square

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



74.2174, 0.2547, 0.4327



74.2174, 0.1763, 0.2171



74.2174, 0.3593, 0.2501



74.2174, 0.4643, 0.4206

Rectangle

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



74.2174, 0.2547, 0.4327



74.2174, 0.1763, 0.2856



74.2174, 0.3593, 0.2501



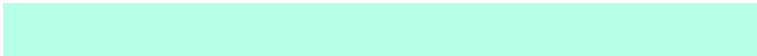
74.2174, 0.4711, 0.3398

Sweetspot

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



74.2203, 0.2547, 0.4327



87.4534, 0.2837, 0.3548



73.5746, 0.3203, 0.5792



18.3961, 0.2797, 0.3594



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.



74.2203, 0.2547, 0.4327



74.4499, 0.2564, 0.4431



56.0032, 0.2118, 0.2788



20.3734, 0.3024, 0.3370



38.9305, 0.2558, 0.4410



3.8108, 0.2518, 0.4266

Inverse Universe

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



22.4899, 0.5456, 0.2831



21.9044, 0.5701, 0.2914



24.3402, 0.6078, 0.3471



18.0861, 0.3242, 0.3212



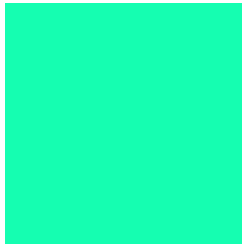
11.4700, 0.5658, 0.2890



1.1360, 0.5339, 0.2715

Previews

White Background



This preview shows how the Yxy color 74.2174, 0.2547, 0.4327 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 74.2174, 0.2547, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

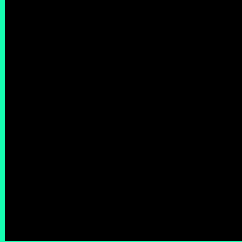
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.2174, 0.2547, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 74.2174, 0.2547, 0.4327.



This preview shows how white text looks on a background with the Yxy color 74.2174, 0.2547, 0.4327.

Color Blindness Simulation

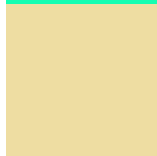
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



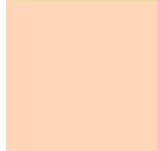
Original Color

74.2174, 0.2547, 0.4327



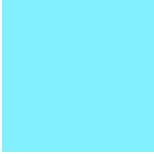
Protanopia

72.4987, 0.3661, 0.3924



Deuteranopia

72.3937, 0.3643, 0.3569



Tritanopia

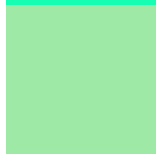
73.6988, 0.2446, 0.3102

Trichromacy



Original Color

74.2174, 0.2547, 0.4327



Protanomaly

68.4388, 0.3038, 0.4124



Deuteranomaly

67.4518, 0.3015, 0.3847



Tritanomaly

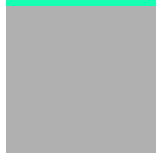
72.4211, 0.2438, 0.3501

Monochromacy



Original Color

74.2174, 0.2547, 0.4327



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.3134, 0.2727, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2174, 0.2547, 0.4327 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(21, 254, 177)` looks like.

```
.text, #text, p{  
    color:rgb(21, 254, 177)  
}
```

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(21, 254, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 254, 177) }
```

Border

The CSS property to change the border of an element to Yxy 74.2174, 0.2547, 0.4327 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(21, 254, 177) }
```

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

```
.border{ border-color:rgb(21, 254, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 254, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 254, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 254, 177);  
box-shadow:4px 4px 4px 4px rgb(21, 254,  
177) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 74.2174, 0.2547, 0.4327$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 254, 177) }
```

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

```
.background{ background-color: rgb(21, 254,  
177) }
```

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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