

Converting Colors

$Yxy(82.6953, 0.3334, 0.4724)$

Have a look what the booklet for
Yxy(82.6953, 0.3334, 0.4724)
contains.

Yxy(82.7154, 0.3334, 0.4724)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.7154, 0.3334, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	B3FF82
RGB	179, 255, 130
RGB Percent	70%, 100%, 51%
CMY	0.2981, 0.0000, 0.4902
CMYK	0.30, 0.00, 0.49, 0.00
HSL	96°, 100%, 75%
HSV	96°, 49%, 100%
XYZ	58.3770, 82.7154, 34.0037
YIQ	218.0260, -5.1710, -54.9870

Conversions

Conversions Part 2

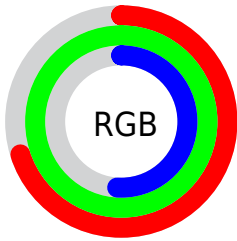
Format	Color
RYB	130, 255, 206
Decimal	11796354
CIELab	92.89, -44.34, 52.05
CIElCh	93, 68.373, 130.425
Yxy	82.7154, 0.3334, 0.4724
Android (android.graphics.Color)	4289986434 (0xFFB3FF82)
YUV	218.0260, -43.3968, -34.2258
Hunter-Lab	90.9480, -44.5847, 41.4962

Details

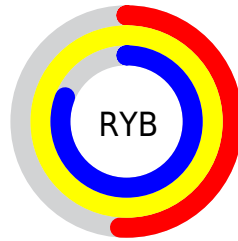
The Yxy color **82.7154, 0.3334, 0.4724** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.3051, 0.2758, 0.1945**, and the grayscale version is **70.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0273, 0.3422, 0.4007**, and **45.0616, 0.3329, 0.5076** is the 20% darker color. If you saturate the color by 10%, you get **80.3672, 0.3348, 0.5030**, and if you desaturate by 10%, it is **85.4379, 0.3306, 0.4407**.

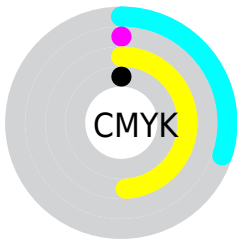
Distribution



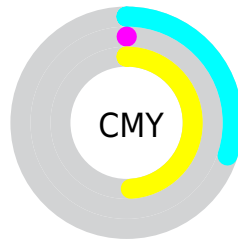
- Red (70%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (81%)



- Cyan (30%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7154, 0.3334, 0.4724 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 82.7154, 0.3334, 0.4724 by changing the saturation by 10% instead.


 82.7154, 0.3334,
0.4724

 82.7154, 0.3334,
0.4724


504.0375, 0.3275,
0.4040

 61.9554, 0.3337,
0.4881


 137.1768, 0.3322,
0.4485

 44.9967, 0.3335,
0.5074


 171.6470, 0.3314,
0.4393

 31.4548, 0.3323,
0.5316


 211.4560, 0.3307,
0.4313

 20.9454, 0.3291,
0.5624

256.9882, 0.3300,
0.4244

 13.0841, 0.3218,
0.6023

308.6281, 0.3293,
0.4184

 7.4865, 0.3096,
0.6616


366.7600, 0.3287,


 3.7682, 0.2744,


0.4130


0.7256

431.7684, 0.3281,
0.4083

 1.5447, 0.1506,
0.8494

 0.3199, 0.0000,
1.0000

 82.7154, 0.3334,
0.4724

 82.7154, 0.3334,
0.4724


 80.3672, 0.3348,
0.5030


 85.4379, 0.3306,
0.4407


 78.3783, 0.3344,
0.5307

 88.5574, 0.3267,
0.4094

 76.7254, 0.3321,
0.5538

 92.0889, 0.3222,
0.3796

 75.3835, 0.3279,
0.5709

 96.0482, 0.3173,
0.3519

■ 74.3190, 0.3224,
0.5817

100.0000, 0.3127,
0.3290

■ 74.2264, 0.3219,
0.5826

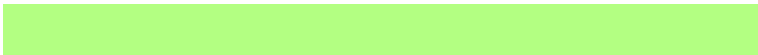
Harmonies

Analogous

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



82.7154, 0.4052, 0.4619



82.7154, 0.3334, 0.4724



82.7154, 0.2600, 0.4260

Triad

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



82.7154, 0.3334, 0.4724



82.7154, 0.1836, 0.2244



82.7154, 0.4294, 0.3023

Complementary

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



82.7154, 0.3334, 0.4724



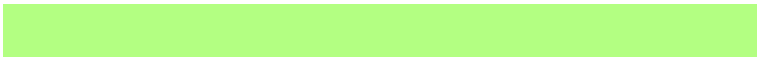
36.3051, 0.2758, 0.1945

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.



82.7154, 0.3552, 0.2541



82.7154, 0.3334, 0.4724



82.7154, 0.2161, 0.2103

Square

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



82.7154, 0.3334, 0.4724



82.7154, 0.1793, 0.2685



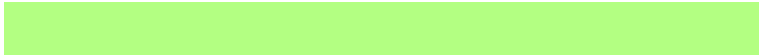
82.7154, 0.2760, 0.2215



82.7154, 0.4673, 0.3586

Rectangle

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



82.7154, 0.3334, 0.4724



82.7154, 0.2203, 0.3717



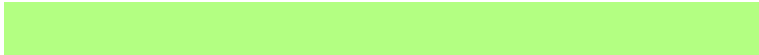
82.7154, 0.2760, 0.2215



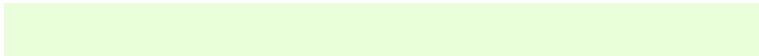
82.7154, 0.4073, 0.2850

Sweetspot

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



82.7138, 0.3334, 0.4724



93.6294, 0.3202, 0.3681



66.5324, 0.4090, 0.4056



19.8659, 0.3213, 0.3741



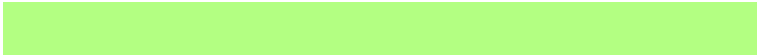
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7138, 0.3334, 0.4724



80.3722, 0.3348, 0.5029



78.2329, 0.2998, 0.4702



20.5153, 0.3175, 0.3532



38.8650, 0.3230, 0.5817



3.8452, 0.3318, 0.5747

Inverse Universe

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



36.3051, 0.2758, 0.1945



28.9716, 0.2655, 0.1679



43.6638, 0.3293, 0.2201



17.9243, 0.3075, 0.3051



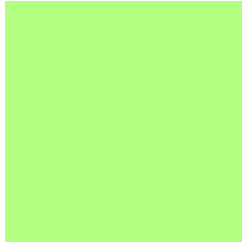
7.5054, 0.2247, 0.1012



0.7940, 0.2355, 0.1071

Previews

White Background



This preview shows how the Yxy color 82.7154, 0.3334, 0.4724 looks on a white background.

Color Contrast Check

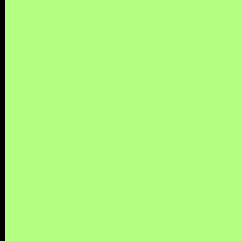
Large Text (above 18pt) WCAG AA × Fail

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 82.7154, 0.3334, 0.4724 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 82.7154, 0.3334, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 82.7154, 0.3334, 0.4724.

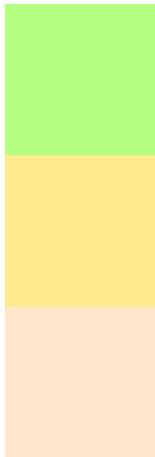


This preview shows how white text looks on a background with the Yxy color 82.7154, 0.3334, 0.4724.

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

82.7154, 0.3334, 0.4724

Protanopia

82.0287, 0.3879, 0.4216

Deuteranopia

81.5629, 0.3492, 0.3563



Tritanopia

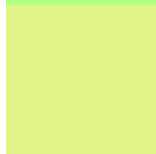
82.0748, 0.2828, 0.3121

Trichromacy



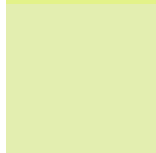
Original Color

82.7154, 0.3334, 0.4724



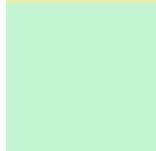
Protanomaly

81.6413, 0.3664, 0.4403



Deuteranomaly

80.6146, 0.3442, 0.3959



Tritanomaly

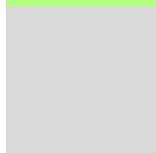
81.6937, 0.3021, 0.3681

Monochromacy



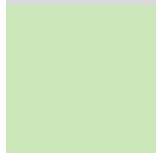
Original Color

82.7154, 0.3334, 0.4724



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.5344, 0.3226, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7154, 0.3334, 0.4724 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(179, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 130)  
}
```

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(179, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 130) }
```

Border

The CSS property to change the border of an element to Yxy 82.7154, 0.3334, 0.4724 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(179, 255, 130) }
```

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

```
.border{ border-color:rgb(179, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7154, 0.3334, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 130) }
```

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

```
.background{ background-color: rgb(179,  
255, 130) }
```

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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