

Converting Colors

Yxy(93.4173, 0.3323, 0.4871)

Have a look what the booklet for
Yxy(93.4173, 0.3323, 0.4871)
contains.

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Color

Yxy(82.7556, 0.3354, 0.4752)

Conversions

Conversions Part 1

Format	Color
Hex	B4FF7F
RGB	180, 255, 127
RGB Percent	71%, 100%, 50%
CMY	0.2942, 0.0000, 0.5018
CMYK	0.29, 0.00, 0.50, 0.00
HSL	95°, 100%, 75%
HSV	95°, 50%, 100%
XYZ	58.4096, 82.7556, 32.9838
YIQ	217.9830, -3.6120, -55.7080

Conversions

Conversions Part 2

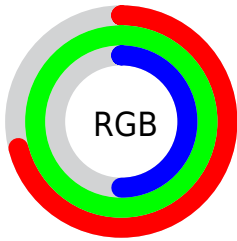
Format	Color
RYB	127, 255, 202
Decimal	11861887
CIELab	92.91, -44.33, 53.45
CIELCh	93, 69.444, 129.674
Yxy	82.7556, 0.3354, 0.4752
Android (android.graphics.Color)	4290051967 (0xFFB4FF7F)
YUV	217.9830, -44.8546, -33.3111
Hunter-Lab	90.9701, -44.5874, 42.1818

Details

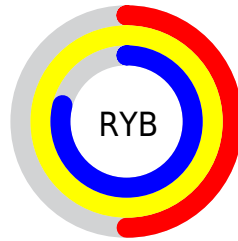
The Yxy color **82.7556, 0.3354, 0.4752** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.9727, 0.2723, 0.1904**, and the grayscale version is **70.4114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0745, 0.3446, 0.4037**, and **45.0935, 0.3351, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **80.4715, 0.3369, 0.5052**, and if you desaturate by 10%, it is **85.3962, 0.3324, 0.4438**.

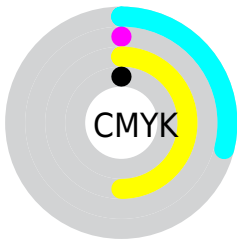
Distribution



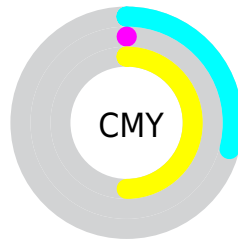
- Red (71%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7556, 0.3354, 0.4752 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 82.7556, 0.3354, 0.4752 by changing the saturation by 10% instead.

 82.7556, 0.3354,
0.4752


 82.7556, 0.3354,
0.4752


504.1716, 0.3287,
0.4056


 61.9886, 0.3358,
0.4911


 137.2331, 0.3340,
0.4509

 45.0234, 0.3357,
0.5107


 171.7124, 0.3331,
0.4415

 31.4759, 0.3345,
0.5351


 211.5311, 0.3323,
0.4334

 20.9615, 0.3313,
0.5661

257.0738, 0.3315,
0.4264

 13.0959, 0.3239,
0.6060

308.7248, 0.3308,
0.4202

 7.4946, 0.3123,
0.6672


366.8685, 0.3301,


 3.7733, 0.2745,


0.4148


0.7255


431.8893, 0.3294,
0.4099

 1.5476, 0.1513,
0.8487


 0.3219, 0.0000,
1.0000


 82.7556, 0.3354,
0.4752


 82.7556, 0.3354,
0.4752


 80.4715, 0.3369,
0.5052

 85.3962, 0.3324,
0.4438


 78.5328, 0.3365,
0.5322


 88.4187, 0.3283,
0.4127

 76.9155, 0.3341,
0.5543

 91.8366, 0.3235,
0.3828

 75.5953, 0.3298,
0.5705

 95.6650, 0.3182,
0.3549

 74.5529, 0.3243,
0.5807

99.9181, 0.3128,
0.3294

100.0000, 0.3127,
0.3290

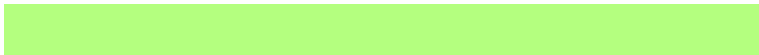
Harmonies

Analogous

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



82.7556, 0.4079, 0.4628



82.7556, 0.3354, 0.4752



82.7556, 0.2608, 0.4295

Triad

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



82.7556, 0.3354, 0.4752



82.7556, 0.1815, 0.2236



82.7556, 0.4296, 0.3005

Complementary

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



82.7556, 0.3354, 0.4752



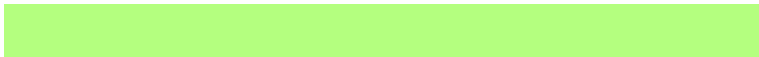
34.9727, 0.2723, 0.1904

Split Complementary

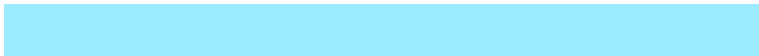
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7556, 0.3537, 0.2520



82.7556, 0.3354, 0.4752



82.7556, 0.2136, 0.2088

Square

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



82.7556, 0.3354, 0.4752



82.7556, 0.1779, 0.2690



82.7556, 0.2736, 0.2196



82.7556, 0.4693, 0.3573

Rectangle

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



82.7556, 0.3354, 0.4752



82.7556, 0.2202, 0.3745



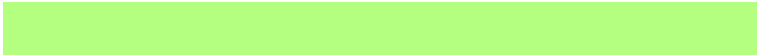
82.7556, 0.2736, 0.2196



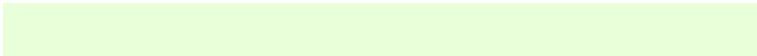
82.7556, 0.4069, 0.2830

Sweetspot

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



82.7529, 0.3354, 0.4752



93.7686, 0.3208, 0.3681



64.8845, 0.4129, 0.4052



19.8993, 0.3219, 0.3740



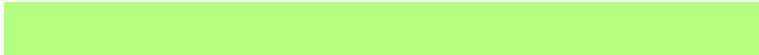
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.7529, 0.3354, 0.4752



80.5101, 0.3369, 0.5047



77.8608, 0.3005, 0.4768



20.5351, 0.3178, 0.3531



39.0380, 0.3255, 0.5797



3.8632, 0.3343, 0.5728

Inverse Universe

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



34.9727, 0.2723, 0.1904



27.8910, 0.2616, 0.1641



42.9995, 0.3278, 0.2162



17.9040, 0.3071, 0.3051



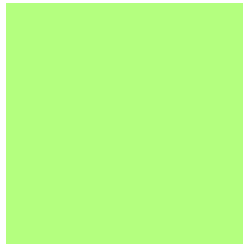
7.2261, 0.2200, 0.0985



0.7677, 0.2311, 0.1047

Previews

White Background



This preview shows how the Yxy color 82.7556, 0.3354, 0.4752 looks on a white background.

Color Contrast Check

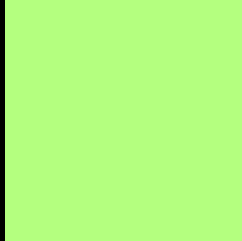
Large Text (above 18pt) WCAG AA × Fail

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 82.7556, 0.3354, 0.4752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

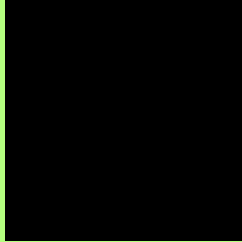
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7556, 0.3354, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 82.7556, 0.3354, 0.4752.

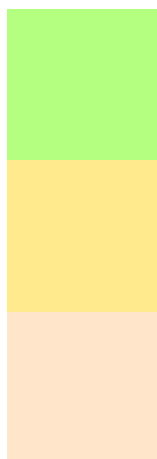


This preview shows how white text looks on a background with the Yxy color 82.7556, 0.3354, 0.4752.

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

82.7556, 0.3354, 0.4752

Protanopia

82.0287, 0.3879, 0.4216

Deuteranopia

82.1179, 0.3490, 0.3573



Tritanopia

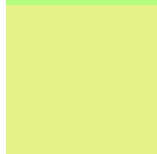
82.2184, 0.2834, 0.3121

Trichromacy



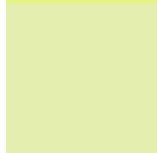
Original Color

82.7556, 0.3354, 0.4752



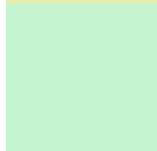
Protanomaly

81.7758, 0.3677, 0.4410



Deuteranomaly

81.3221, 0.3453, 0.3978



Tritanomaly

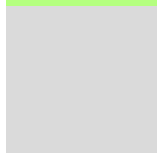
81.7292, 0.3039, 0.3703

Monochromacy



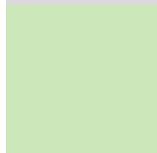
Original Color

82.7556, 0.3354, 0.4752



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4920, 0.3232, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7556, 0.3354, 0.4752 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(180, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 127)  
}
```

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(180, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 82.7556, 0.3354, 0.4752 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(180, 255, 127) }
```

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

```
.border{ border-color:rgb(180, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7556, 0.3354, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 127) }
```

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

```
.background{ background-color: rgb(180,  
255, 127) }
```

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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