

Converting Colors

$Yxy(82.7899, 0.3360, 0.4757)$

Have a look what the booklet for
Yxy(82.7899, 0.3360, 0.4757)
contains.

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Color

Yxy(82.7297, 0.3359, 0.4763)

Conversions

Conversions Part 1

Format	Color
Hex	B4FF7E
RGB	180, 255, 126
RGB Percent	71%, 100%, 49%
CMY	0.2942, 0.0000, 0.5060
CMYK	0.29, 0.00, 0.51, 0.00
HSL	95°, 100%, 75%
HSV	95°, 51%, 100%
XYZ	58.3433, 82.7297, 32.6194
YIQ	217.8690, -3.2910, -56.0190

Conversions

Conversions Part 2

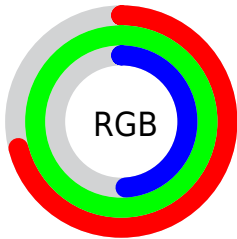
Format	Color
RYB	126, 255, 201
Decimal	11861886
CIELab	92.90, -44.45, 53.93
CIElCh	93, 69.883, 129.495
Yxy	82.7297, 0.3359, 0.4763
Android (android.graphics.Color)	4290051966 (0xFFB4FF7E)
YUV	217.8690, -45.2914, -33.2111
Hunter-Lab	90.9559, -44.6746, 42.4060

Details

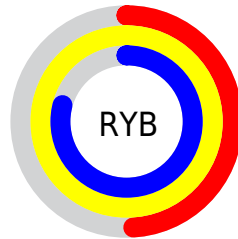
The Yxy color **82.7297, 0.3359, 0.4763** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.5483, 0.2713, 0.1890**, and the grayscale version is **70.3286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0333, 0.3452, 0.4047**, and **45.0802, 0.3356, 0.5117** is the 20% darker color. If you saturate the color by 10%, you get **80.4653, 0.3374, 0.5061**, and if you desaturate by 10%, it is **85.3460, 0.3329, 0.4450**.

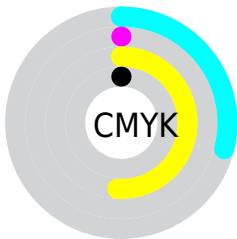
Distribution



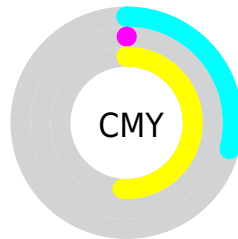
- Red (71%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7297, 0.3359, 0.4763 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 82.7297, 0.3359, 0.4763 by changing the saturation by 10% instead.

 82.7297, 0.3359,
0.4763

 82.7297, 0.3359,
0.4763


504.0852, 0.3291,
0.4062


 61.9672, 0.3363,
0.4923


 137.1968, 0.3344,
0.4519

 45.0062, 0.3362,
0.5120


 171.6702, 0.3336,
0.4424

 31.4623, 0.3350,
0.5365


 211.4827, 0.3328,
0.4342

 20.9511, 0.3317,
0.5677

257.0187, 0.3319,
0.4271

 13.0883, 0.3242,
0.6076

308.6625, 0.3312,
0.4209

 7.4894, 0.3128,
0.6698


366.7986, 0.3304,


 3.7700, 0.2739,

0.4154

0.7261

431.8114, 0.3297,
0.4106


 1.5457, 0.1496,
0.8504


 0.3206, 0.0000,
1.0000


 82.7297, 0.3359,
0.4763


 82.7297, 0.3359,
0.4763

 80.4653, 0.3374,
0.5061

 85.3460, 0.3329,
0.4450


 78.5431, 0.3369,
0.5328


 88.3408, 0.3287,
0.4139

 76.9387, 0.3345,
0.5547

 91.7269, 0.3238,
0.3840

 75.6278, 0.3302,
0.5706

 95.5196, 0.3185,
0.3560

 74.6302, 0.3249,
0.5802

99.7329, 0.3130,
0.3305

100.0000, 0.3127,
0.3290

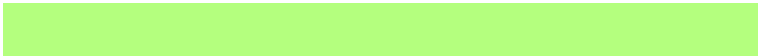
Harmonies

Analogous

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



82.7297, 0.4087, 0.4634



82.7297, 0.3359, 0.4763



82.7297, 0.2609, 0.4307

Triad

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



82.7297, 0.3359, 0.4763



82.7297, 0.1807, 0.2232



82.7297, 0.4300, 0.2999

Complementary

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



82.7297, 0.3359, 0.4763



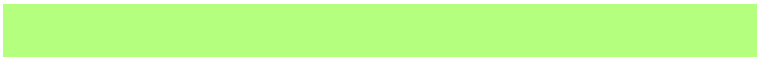
34.5483, 0.2713, 0.1890

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.



82.7297, 0.3534, 0.2513



82.7297, 0.3359, 0.4763



82.7297, 0.2128, 0.2081

Square

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



82.7297, 0.3359, 0.4763



82.7297, 0.1772, 0.2689



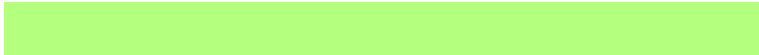
82.7297, 0.2729, 0.2189



82.7297, 0.4702, 0.3570

Rectangle

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



82.7297, 0.3359, 0.4763



82.7297, 0.2200, 0.3754



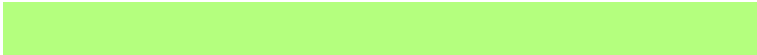
82.7297, 0.2729, 0.2189



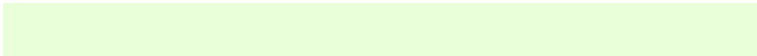
82.7297, 0.4070, 0.2824

Sweetspot

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



82.7267, 0.3359, 0.4763



93.8004, 0.3209, 0.3681



63.6516, 0.4151, 0.4037



19.9069, 0.3220, 0.3740



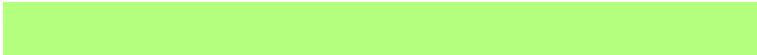
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.7267, 0.3359, 0.4763



80.3824, 0.3374, 0.5073



77.6902, 0.3014, 0.4808



20.5396, 0.3179, 0.3531



39.0789, 0.3261, 0.5793



3.8674, 0.3349, 0.5723

Inverse Universe

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



34.5483, 0.2713, 0.1890



27.1614, 0.2598, 0.1612



42.8513, 0.3260, 0.2136



17.8994, 0.3071, 0.3051



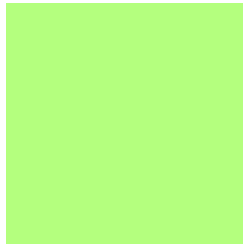
7.1644, 0.2189, 0.0979



0.7618, 0.2301, 0.1041

Previews

White Background



This preview shows how the Yxy color 82.7297, 0.3359, 0.4763 looks on a white background.

Color Contrast Check

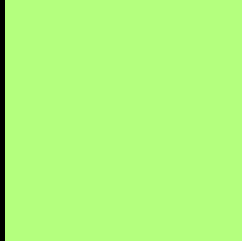
Large Text (above 18pt) WCAG AA × Fail

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 82.7297, 0.3359, 0.4763 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

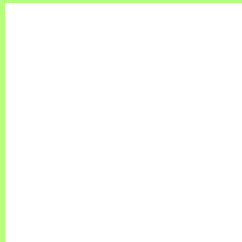
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7297, 0.3359, 0.4763

Background



This preview shows how black text looks on a background with the Yxy color 82.7297, 0.3359, 0.4763.

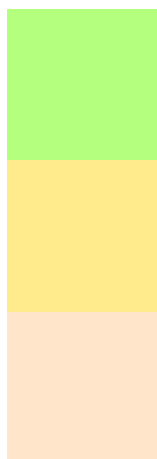


This preview shows how white text looks on a background with the Yxy color 82.7297, 0.3359, 0.4763.

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

82.7297, 0.3359, 0.4763

Protanopia

81.9991, 0.3885, 0.4225

Deuteranopia

81.5629, 0.3492, 0.3563



Tritanopia

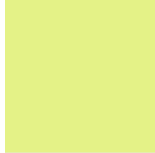
82.2184, 0.2834, 0.3121

Trichromacy



Original Color

82.7297, 0.3359, 0.4763



Protanomaly

81.7475, 0.3683, 0.4419



Deuteranomaly

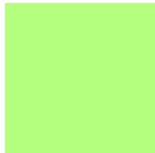
80.6990, 0.3462, 0.3979



Tritanomaly

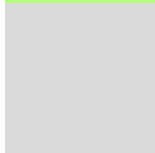
81.7292, 0.3039, 0.3703

Monochromacy



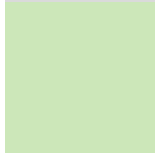
Original Color

82.7297, 0.3359, 0.4763



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 82.7297, 0.3359, 0.4763 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 82.7297, 0.3359, 0.4763 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, 126) }
```

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

```
.border{ border-color:rgb(180, 255, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7297, 0.3359, 0.4763 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, 126) }
```

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

```
.background{ background-color: rgb(180,  
255, 126) }
```

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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