

Converting Colors

$Yxy(82.2559, 0.3309, 0.4735)$

Have a look what the booklet for
Yxy(82.2559, 0.3309, 0.4735)
contains.

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Color

Yxy(82.2457, 0.3309, 0.4735)

Conversions

Conversions Part 1

Format	Color
Hex	AFFF82
RGB	175, 255, 130
RGB Percent	69%, 100%, 51%
CMY	0.3136, 0.0000, 0.4901
CMYK	0.31, 0.00, 0.49, 0.00
HSL	98°, 100%, 75%
HSV	98°, 49%, 100%
XYZ	57.4765, 82.2457, 33.9752
YIQ	216.8300, -7.5550, -55.8350

Conversions

Conversions Part 2

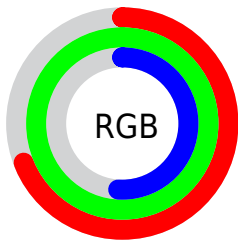
Format	Color
RYB	130, 255, 210
Decimal	11534210
CIELab	92.68, -45.64, 51.73
CIElCh	93, 68.989, 131.423
Yxy	82.2457, 0.3309, 0.4735
Android (android.graphics.Color)	4289724290 (0xFFAFF82)
YUV	216.8300, -42.8072, -36.6849
Hunter-Lab	90.6894, -45.5781, 41.2706

Details

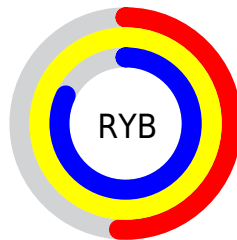
The Yxy color **82.2457, 0.3309, 0.4735** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.8943, 0.2792, 0.1958**, and the grayscale version is **69.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3464, 0.3395, 0.4014**, and **44.7755, 0.3299, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **79.8712, 0.3319, 0.5046**, and if you desaturate by 10%, it is **85.0251, 0.3286, 0.4414**.

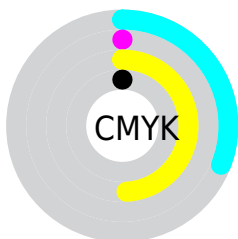
Distribution



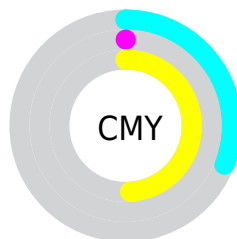
- Red (69%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (82%)



- Cyan (31%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2457, 0.3309, 0.4735 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 82.2457, 0.3309, 0.4735 by changing the saturation by 10% instead.


 82.2457, 0.3309,
0.4735

 82.2457, 0.3309,
0.4735


502.4692, 0.3261,
0.4044

 61.5681, 0.3309,
0.4894


 136.5185, 0.3301,
0.4493

 44.6838, 0.3304,
0.5090


 170.8825, 0.3295,
0.4400

 31.2084, 0.3288,
0.5337


 210.5774, 0.3289,
0.4319

 20.7576, 0.3250,
0.5651

255.9875, 0.3283,
0.4249

 12.9469, 0.3170,
0.6060

307.4974, 0.3277,
0.4188

 7.3920, 0.3038,
0.6671


365.4914, 0.3272,


 3.7085, 0.2669,


0.4135

0.7331


430.3538, 0.3266,
0.4087


 1.5118, 0.1272,
0.8728

 0.2970, 0.0000,
1.0000


 82.2457, 0.3309,
0.4735


 82.2457, 0.3309,
0.4735


 79.8712, 0.3319,
0.5046


 85.0251, 0.3286,
0.4414


 77.8700, 0.3311,
0.5328

 88.2180, 0.3252,
0.4097

 76.2227, 0.3286,
0.5563

 91.8456, 0.3212,
0.3797

 74.9028, 0.3244,
0.5735

 95.9246, 0.3168,
0.3519

■ 73.8749, 0.3191,
0.5844

99.9982, 0.3127,
0.3290

■ 73.7851, 0.3185,
0.5853

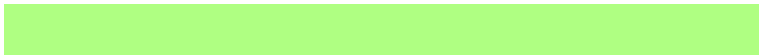
Harmonies

Analogous

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



82.2457, 0.4038, 0.4643



82.2457, 0.3309, 0.4735



82.2457, 0.2572, 0.4248

Triad

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



82.2457, 0.3309, 0.4735



82.2457, 0.1830, 0.2224



82.2457, 0.4327, 0.3038

Complementary

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



82.2457, 0.3309, 0.4735



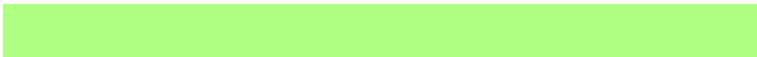
36.8943, 0.2792, 0.1958

Split Complementary

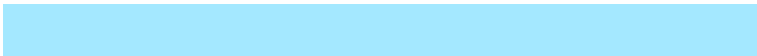
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2457, 0.3584, 0.2548



82.2457, 0.3309, 0.4735



82.2457, 0.2167, 0.2092

Square

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



82.2457, 0.3309, 0.4735



82.2457, 0.1778, 0.2657



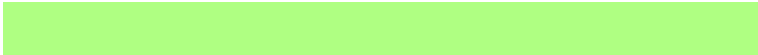
82.2457, 0.2780, 0.2213



82.2457, 0.4694, 0.3607

Rectangle

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



82.2457, 0.3309, 0.4735



82.2457, 0.2176, 0.3692



82.2457, 0.2780, 0.2213



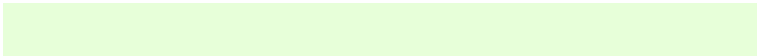
82.2457, 0.4107, 0.2862

Sweetspot

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



82.2492, 0.3309, 0.4735



93.4268, 0.3195, 0.3682



68.5599, 0.4068, 0.4094



19.8174, 0.3204, 0.3742



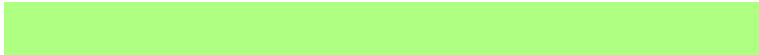
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.2492, 0.3309, 0.4735



79.8745, 0.3319, 0.5046



78.3637, 0.2979, 0.4650



20.4865, 0.3170, 0.3532



38.6315, 0.3197, 0.5844



3.8203, 0.3283, 0.5775

Inverse Universe

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



36.8943, 0.2792, 0.1958



29.6237, 0.2698, 0.1697



43.4263, 0.3331, 0.2236



17.9541, 0.3080, 0.3052



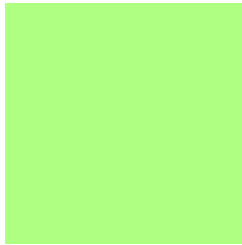
7.9374, 0.2320, 0.1051



0.8344, 0.2421, 0.1107

Previews

White Background



This preview shows how the Yxy color 82.2457, 0.3309, 0.4735 looks on a white background.

Color Contrast Check

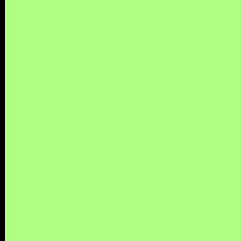
Large Text (above 18pt) WCAG AA × Fail

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 82.2457, 0.3309, 0.4735 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

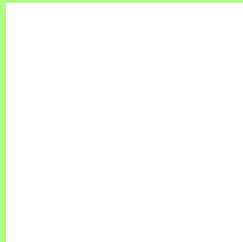
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2457, 0.3309, 0.4735

Background



This preview shows how black text looks on a background with the Yxy color 82.2457, 0.3309, 0.4735.

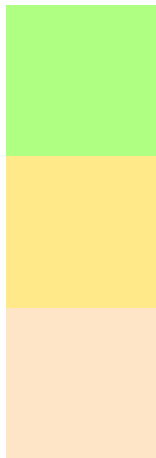


This preview shows how white text looks on a background with the Yxy color 82.2457, 0.3309, 0.4735.

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

82.2457, 0.3309, 0.4735

Protanopia

81.3154, 0.3914, 0.4253

Deuteranopia

81.4688, 0.3505, 0.3584



Tritanopia

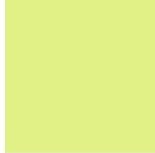
81.6495, 0.2810, 0.3120

Trichromacy



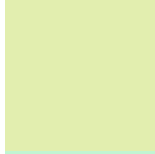
Original Color

82.2457, 0.3309, 0.4735



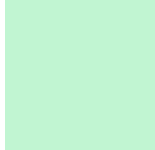
Protanomaly

80.8006, 0.3677, 0.4427



Deuteranomaly

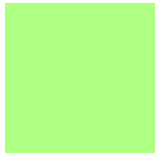
80.4130, 0.3441, 0.3971



Tritanomaly

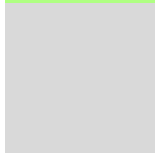
81.2954, 0.3002, 0.3683

Monochromacy



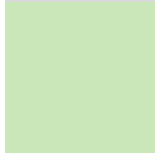
Original Color

82.2457, 0.3309, 0.4735



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.2112, 0.3218, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2457, 0.3309, 0.4735 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(175, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 130) }
```

Border

The CSS property to change the border of an element to Yxy 82.2457, 0.3309, 0.4735 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(175, 255, 130) }
```

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

```
.border{ border-color:rgb(175, 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(175, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2457, 0.3309, 0.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 130) }
```

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

```
.background{ background-color: rgb(175,  
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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