

Converting Colors

$Yxy(93.8098, 0.3226, 0.4706)$

Have a look what the booklet for
Yxy(93.8098, 0.3226, 0.4706)
contains.

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Color

Yxy(82.7637, 0.3248, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	B0FF90
RGB	176, 255, 144
RGB Percent	69%, 100%, 56%
CMY	0.3097, 0.0000, 0.4352
CMYK	0.31, 0.00, 0.44, 0.00
HSL	103°, 100%, 78%
HSV	103°, 44%, 100%
XYZ	58.7064, 82.7637, 39.2762
YIQ	218.7250, -11.4530, -51.2690

Conversions

Conversions Part 2

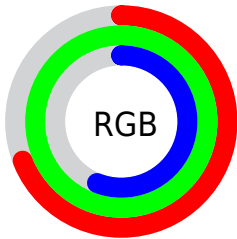
Format	Color
RYB	144, 255, 223
Decimal	11599760
CIELab	92.91, -43.63, 45.41
CIELCh	93, 62.972, 133.857
Yxy	82.7637, 0.3248, 0.4579
Android (android.graphics.Color)	4289789840 (0xFFB0FF90)
YUV	218.7250, -36.8394, -37.4698
Hunter-Lab	90.9746, -44.0185, 38.0851

Details

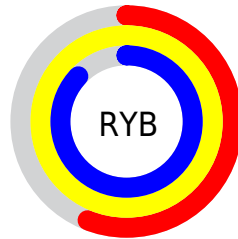
The Yxy color **82.7637, 0.3248, 0.4579** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.8604, 0.2907, 0.2131**, and the grayscale version is **70.9127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1359, 0.3320, 0.3866**, and **45.1366, 0.3242, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **80.0972, 0.3256, 0.4908**, and if you desaturate by 10%, it is **85.8961, 0.3229, 0.4250**.

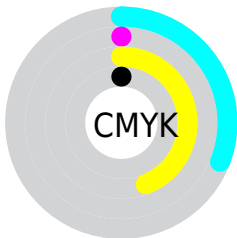
Distribution



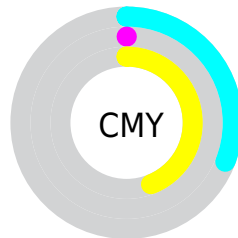
- Red (69%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7637, 0.3248, 0.4579 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 82.7637, 0.3248, 0.4579 by changing the saturation by 10% instead.


 82.7637, 0.3248,
0.4579

 82.7637, 0.3248,
0.4579


504.1987, 0.3220,
0.3962

 61.9952, 0.3247,
0.4722


 137.2445, 0.3244,
0.4363

 45.0288, 0.3241,
0.4900


 171.7255, 0.3241,
0.4279

 31.4801, 0.3226,
0.5124


211.5463, 0.3238,
0.4207

 20.9647, 0.3195,
0.5414

257.0911, 0.3234,
0.4145

 13.0982, 0.3132,
0.5801

308.7443, 0.3230,
0.4091

 7.4962, 0.3001,
0.6330

366.8904, 0.3227,

 3.7743, 0.2779,

0.4043

0.7221

431.9137, 0.3223,
0.4000

■ 1.5481, 0.1593,
0.8407

■ 0.3223, 0.0000,
1.0000

■ 82.7637, 0.3248,
0.4579

■ 82.7637, 0.3248,
0.4579

■ 80.0972, 0.3256,
0.4908

■ 85.8961, 0.3229,
0.4250

■ 77.8628, 0.3251,
0.5218

■ 89.5051, 0.3203,
0.3935

■ 76.0387, 0.3231,
0.5490

■ 93.6144, 0.3172,
0.3643

■ 74.5966, 0.3197,
0.5703

■ 98.2425, 0.3139,
0.3377

■ 73.5035, 0.3152,
0.5845

99.9982, 0.3127,
0.3290

■ 72.9566, 0.3120,
0.5905

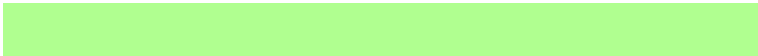
Harmonies

Analogous

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



82.7637, 0.3925, 0.4554



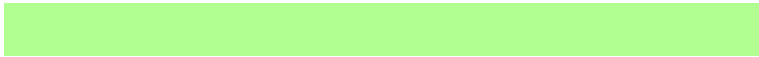
82.7637, 0.3248, 0.4579



82.7637, 0.2575, 0.4098

Triad

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



82.7637, 0.3248, 0.4579



82.7637, 0.1943, 0.2291



82.7637, 0.4263, 0.3106

Complementary

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



82.7637, 0.3248, 0.4579



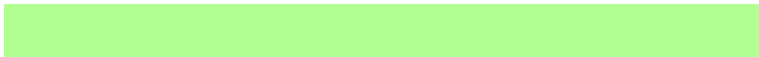
42.8604, 0.2907, 0.2131

Split Complementary

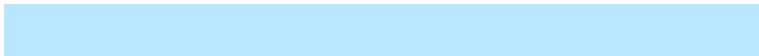
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7637, 0.3608, 0.2639



82.7637, 0.3248, 0.4579



82.7637, 0.2281, 0.2183

Square

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



82.7637, 0.3248, 0.4579



82.7637, 0.1874, 0.2675



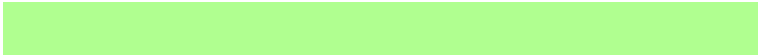
82.7637, 0.2868, 0.2312



82.7637, 0.4565, 0.3641

Rectangle

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



82.7637, 0.3248, 0.4579



82.7637, 0.2220, 0.3595



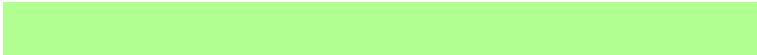
82.7637, 0.2868, 0.2312



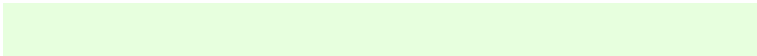
82.7637, 0.4072, 0.2939

Sweetspot

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



82.7673, 0.3248, 0.4579



93.8436, 0.3171, 0.3628



75.3606, 0.3913, 0.4078



19.8816, 0.3178, 0.3690



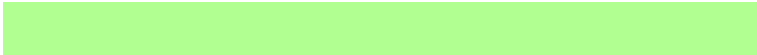
0.0000, 0.0000, 0.0000



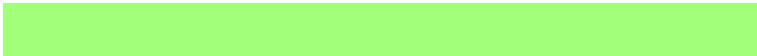
21.4041, 0.3127, 0.3290

Same Dimension

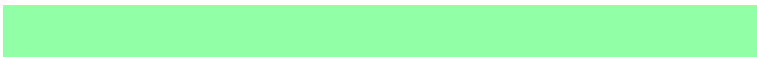
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7673, 0.3248, 0.4579



80.4759, 0.3256, 0.4859



80.2113, 0.2957, 0.4379



20.4219, 0.3159, 0.3533



38.1877, 0.3130, 0.5897



3.7710, 0.3211, 0.5832

Inverse Universe

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



42.8604, 0.2907, 0.2131



35.9508, 0.2847, 0.1910



47.0863, 0.3370, 0.2408



18.0217, 0.3091, 0.3052



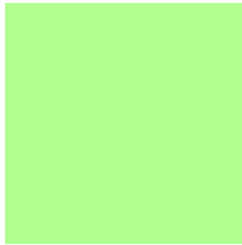
9.0136, 0.2489, 0.1145



0.9334, 0.2573, 0.1191

Previews

White Background



This preview shows how the Yxy color 82.7637, 0.3248, 0.4579 looks on a white background.

Color Contrast Check

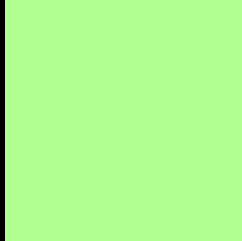
Large Text (above 18pt) WCAG AA × Fail

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 82.7637, 0.3248, 0.4579 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

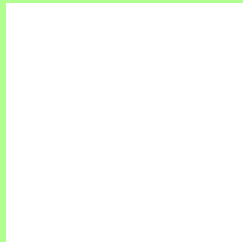
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7637, 0.3248, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 82.7637, 0.3248, 0.4579.



This preview shows how white text looks on a background with the Yxy color 82.7637, 0.3248, 0.4579.

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

82.7637, 0.3248, 0.4579

Protanopia

82.0888, 0.3867, 0.4198

Deuteranopia

81.6583, 0.3478, 0.3543



Tritanopia

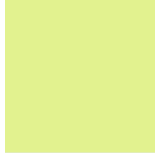
82.5193, 0.2823, 0.3131

Trichromacy



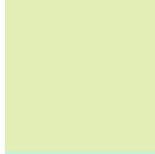
Original Color

82.7637, 0.3248, 0.4579



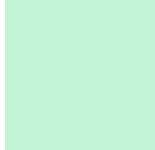
Protanomaly

81.6562, 0.3623, 0.4346



Deuteranomaly

80.6952, 0.3397, 0.3895



Tritanomaly

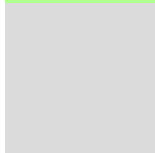
81.6804, 0.2980, 0.3624

Monochromacy



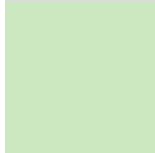
Original Color

82.7637, 0.3248, 0.4579



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2155, 0.3180, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7637, 0.3248, 0.4579 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(176, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 144)  
}
```

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(176, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 144) }
```

Border

The CSS property to change the border of an element to Yxy 82.7637, 0.3248, 0.4579 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(176, 255, 144) }
```

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

```
.border{ border-color:rgb(176, 255, 144) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7637, 0.3248, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 144) }
```

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

```
.background{ background-color: rgb(176,  
255, 144) }
```

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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