

Converting Colors

Yxy(83.2930, 0.3521, 0.4959)

Have a look what the booklet for
Yxy(83.2930, 0.3521, 0.4959)
contains.

Yxy(83.2981, 0.3521, 0.4959)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.2981, 0.3521, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF66</code>
RGB	189, 255, 102
RGB Percent	74%, 100%, 40%
CMY	0.2588, 0.0000, 0.6000
CMYK	0.26, 0.00, 0.60, 0.00
HSL	86°, 100%, 70%
HSV	86°, 60%, 100%
XYZ	59.1435, 83.2981, 25.5320
YIQ	217.8240, 9.7770, -61.5750

Conversions

Conversions Part 2

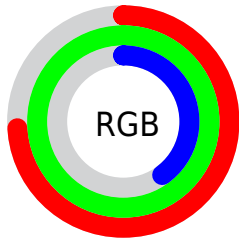
Format	Color
RYB	102, 255, 168
Decimal	12451686
CIELab	93.14, -43.58, 64.85
CIElCh	93, 78.135, 123.904
Yxy	83.2981, 0.3521, 0.4959
Android (android.graphics.Color)	4290641766 (0xFFBDF66)
YUV	217.8240, -57.1012, -25.2786
Hunter-Lab	91.2678, -44.0468, 47.3012

Details

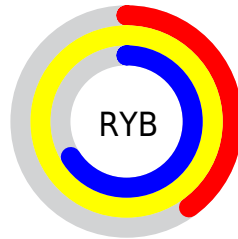
The Yxy color **83.2981, 0.3521, 0.4959** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.0504, 0.2414, 0.1552**, and the grayscale version is **70.3780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9451, 0.3652, 0.4254**, and **45.4755, 0.3540, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **81.5129, 0.3538, 0.5202**, and if you desaturate by 10%, it is **85.3443, 0.3483, 0.4685**.

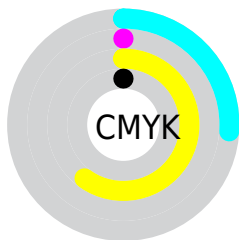
Distribution



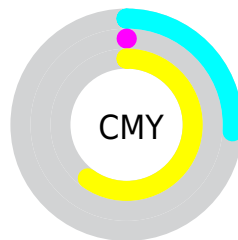
- Red (74%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (66%)



- Cyan (26%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2981, 0.3521, 0.4959 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 83.2981, 0.3521, 0.4959 by changing the saturation by 10% instead.


 83.2981, 0.3521,
0.4959

 83.2981, 0.3521,
0.4959


505.9795, 0.3396,
0.4177

 62.4361, 0.3532,
0.5132


 137.9929, 0.3491,
0.4691

 45.3852, 0.3537,
0.5340


 172.5945, 0.3475,
0.4585

 31.7609, 0.3527,
0.5593


 212.5447, 0.3460,
0.4494

 21.1790, 0.3490,
0.5901

 258.2280, 0.3446,
0.4414

 13.2549, 0.3402,
0.6282

310.0287, 0.3432,
0.4344

 7.6043, 0.3226,
0.6774

368.3313, 0.3419,

 3.8428, 0.2794,

0.4282

0.7206

433.5201, 0.3407,
0.4227

■ 1.5860, 0.1675,
0.8325

■ 0.3481, 0.0000,
1.0000

■ 83.2981, 0.3521,
0.4959

■ 83.2981, 0.3521,
0.4959

■ 81.5129, 0.3538,
0.5202

■ 85.3443, 0.3483,
0.4685

■ 79.9735, 0.3531,
0.5401


■ 87.6686, 0.3427,
0.4394


■ 78.6592, 0.3501,
0.5546

■ 90.2841, 0.3360,
0.4101

■ 77.5386, 0.3451,
0.5642

■ 93.2036, 0.3285,
0.3814

 77.5383, 0.3451,
0.5642

 96.4389, 0.3206,
0.3542

100.0000, 0.3127,
0.3290

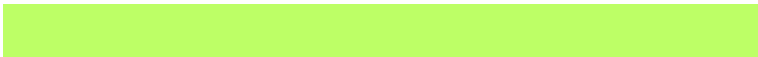
Harmonies

Analogous

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



83.2981, 0.4298, 0.4679



83.2981, 0.3521, 0.4959



83.2981, 0.2686, 0.4587

Triad

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



83.2981, 0.3521, 0.4959



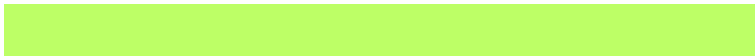
83.2981, 0.1655, 0.2186



83.2981, 0.4296, 0.2853

Complementary

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



83.2981, 0.3521, 0.4959



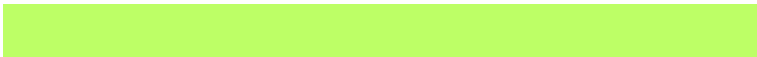
25.0504, 0.2414, 0.1552

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.



83.2981, 0.3399, 0.2357



83.2981, 0.3521, 0.4959



83.2981, 0.1942, 0.1975

Square

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



83.2981, 0.3521, 0.4959



83.2981, 0.1672, 0.2745



83.2981, 0.2537, 0.2046



83.2981, 0.4838, 0.3455

Rectangle

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



83.2981, 0.3521, 0.4959



83.2981, 0.2209, 0.3993



83.2981, 0.2537, 0.2046



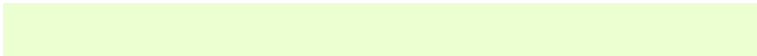
83.2981, 0.4017, 0.2672

Sweetspot

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



83.2975, 0.3521, 0.4959



93.8242, 0.3269, 0.3759



49.4026, 0.4552, 0.3929



19.8896, 0.3292, 0.3840



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.



83.2975, 0.3521, 0.4959



81.1856, 0.3539, 0.5246



76.1078, 0.3092, 0.5206



20.6778, 0.3202, 0.3530



40.6054, 0.3462, 0.5633



4.0182, 0.3542, 0.5570

Inverse Universe

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



25.0504, 0.2414, 0.1552



18.3197, 0.2235, 0.1240



35.6458, 0.3075, 0.1842



17.7609, 0.3047, 0.3049



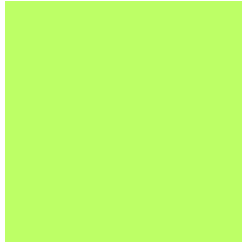
5.5895, 0.1895, 0.0817



0.6073, 0.2020, 0.0887

Previews

White Background



This preview shows how the Yxy color 83.2981, 0.3521, 0.4959 looks on a white background.

Color Contrast Check

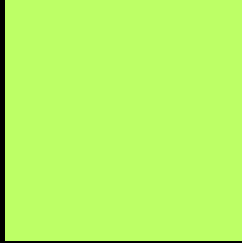
Large Text (above 18pt) WCAG AA × Fail

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 83.2981, 0.3521, 0.4959 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

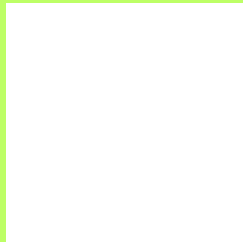
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2981, 0.3521, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 83.2981, 0.3521, 0.4959.

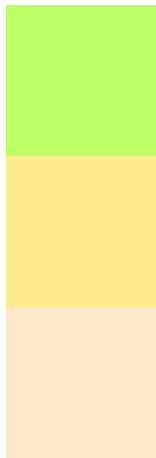


This preview shows how white text looks on a background with the Yxy color 83.2981, 0.3521, 0.4959.

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

83.2981, 0.3521, 0.4959

Protanopia

82.6903, 0.3857, 0.4197

Deuteranopia

82.6761, 0.3488, 0.3583



Tritanopia

82.5152, 0.2869, 0.3113

Trichromacy



Original Color

83.2981, 0.3521, 0.4959



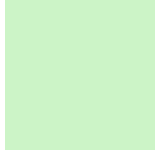
Protanomaly

82.0782, 0.3737, 0.4467



Deuteranomaly

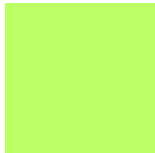
82.0623, 0.3528, 0.4078



Tritanomaly

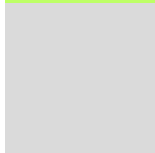
81.6623, 0.3136, 0.3790

Monochromacy



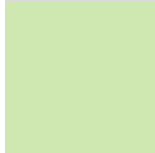
Original Color

83.2981, 0.3521, 0.4959



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.5518, 0.3311, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2981, 0.3521, 0.4959 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(189, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 102)  
}
```

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(189, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 83.2981, 0.3521, 0.4959 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(189, 255, 102) }
```

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

```
.border{ border-color:rgb(189, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2981, 0.3521, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 102) }
```

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

```
.background{ background-color: rgb(189,  
255, 102) }
```

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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