

Converting Colors

$Yxy(81.8245, 0.3442, 0.5004)$

Have a look what the booklet for
Yxy(81.8245, 0.3442, 0.5004)
contains.

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Color

Yxy(81.8264, 0.3443, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF66
RGB	177, 255, 102
RGB Percent	69%, 100%, 40%
CMY	0.3056, 0.0000, 0.6000
CMYK	0.31, 0.00, 0.60, 0.00
HSL	91°, 100%, 70%
HSV	91°, 60%, 100%
XYZ	56.3006, 81.8264, 25.3950
YIQ	214.2360, 2.6250, -64.1190

Conversions

Conversions Part 2

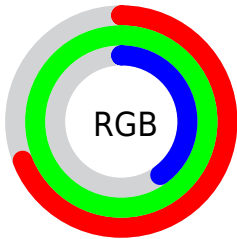
Format	Color
RYB	102, 255, 180
Decimal	11665254
CIELab	92.50, -47.75, 63.96
CIElCh	92, 79.815, 126.745
Yxy	81.8264, 0.3443, 0.5004
Android (android.graphics.Color)	4289855334 (0xFFB1FF66)
YUV	214.2360, -55.3323, -32.6560
Hunter-Lab	90.4579, -47.2038, 46.6756

Details

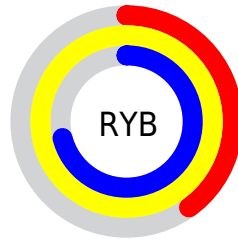
The Yxy color **81.8264, 0.3443, 0.5004** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **26.4157, 0.2513, 0.1596**, and the grayscale version is **67.8017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8215, 0.3569, 0.4283**, and **44.4920, 0.3436, 0.5411** is the 20% darker color. If you saturate the color by 10%, you get **79.9454, 0.3449, 0.5261**, and if you desaturate by 10%, it is **84.0152, 0.3417, 0.4716**.

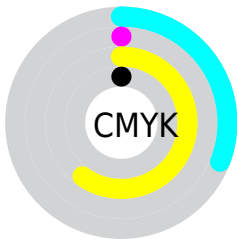
Distribution



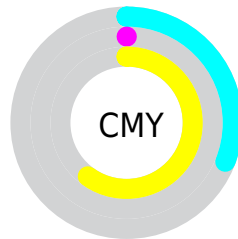
- Red (69%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8264, 0.3443, 0.5004 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 81.8264, 0.3443, 0.5004 by changing the saturation by 10% instead.


 81.8264, 0.3443,
0.5004


 81.8264, 0.3443,
0.5004


501.0668, 0.3354,
0.4192

 61.2225, 0.3446,
0.5186


 135.9305, 0.3426,
0.4723


 44.4047, 0.3440,
0.5406


 170.1995, 0.3415,
0.4614

 30.9888, 0.3418,
0.5676


 209.7923, 0.3404,
0.4519

 20.5903, 0.3363,
0.6007

 255.0932, 0.3393,
0.4436

 12.8249, 0.3252,
0.6422

306.4868, 0.3382,
0.4364

 7.3081, 0.3039,
0.6961

364.3573, 0.3372,

 3.6555, 0.2556,

0.4300

0.7444

429.0892, 0.3363,
0.4243

■ 1.4828, 0.0916,
0.9084

■ 0.2766, 0.0000,
1.0000

■ 81.8264, 0.3443,
0.5004

■ 81.8264, 0.3443,
0.5004

■ 79.9454, 0.3449,
0.5261

■ 84.0152, 0.3417,
0.4716

■ 78.3428, 0.3433,
0.5473

■ 86.5180, 0.3375,
0.4414

■ 77.0002, 0.3395,
0.5629

■ 89.3535, 0.3321,
0.4111

■ 75.8845, 0.3340,
0.5730

■ 92.5360, 0.3259,
0.3819

 96.0787, 0.3194,
0.3544

99.9940, 0.3127,
0.3290

99.9958, 0.3127,
0.3290

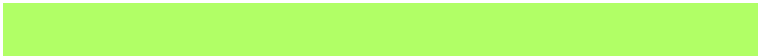
Harmonies

Analogous

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



81.8264, 0.4254, 0.4755



81.8264, 0.3443, 0.5004



81.8264, 0.2595, 0.4554

Triad

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



81.8264, 0.3443, 0.5004



81.8264, 0.1638, 0.2124



81.8264, 0.4402, 0.2896

Complementary

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



81.8264, 0.3443, 0.5004



26.4157, 0.2513, 0.1596

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.



81.8264, 0.3496, 0.2376



81.8264, 0.3443, 0.5004



81.8264, 0.1958, 0.1941

Square

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



81.8264, 0.3443, 0.5004



81.8264, 0.1624, 0.2656



81.8264, 0.2595, 0.2039



81.8264, 0.4906, 0.3514

Rectangle

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



81.8264, 0.3443, 0.5004



81.8264, 0.2125, 0.3915



81.8264, 0.2595, 0.2039



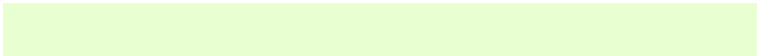
81.8264, 0.4125, 0.2707

Sweetspot

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



81.8300, 0.3443, 0.5004



93.2209, 0.3246, 0.3762



54.2561, 0.4458, 0.4055



19.7426, 0.3265, 0.3845



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.



81.8300, 0.3443, 0.5004



79.6077, 0.3447, 0.5308



75.2996, 0.3036, 0.5239



20.6057, 0.3190, 0.3530



39.7419, 0.3352, 0.5721



3.9343, 0.3438, 0.5652

Inverse Universe

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



26.4157, 0.2513, 0.1596



19.7677, 0.2355, 0.1299



37.9804, 0.3193, 0.1894



17.8325, 0.3059, 0.3050



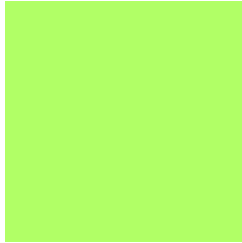
6.3366, 0.2039, 0.0897



0.6820, 0.2161, 0.0964

Previews

White Background



This preview shows how the Yxy color 81.8264, 0.3443, 0.5004 looks on a white background.

Color Contrast Check

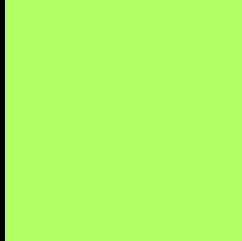
Large Text (above 18pt) WCAG AA × Fail

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 81.8264, 0.3443, 0.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

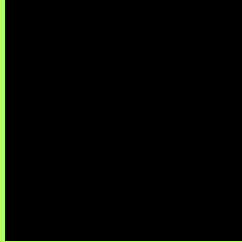
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

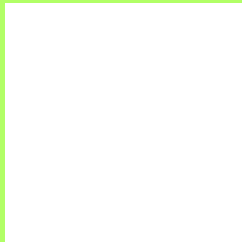
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8264, 0.3443, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 81.8264, 0.3443, 0.5004.

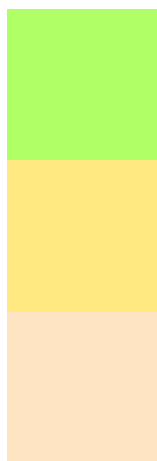


This preview shows how white text looks on a background with the Yxy color 81.8264, 0.3443, 0.5004.

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

81.8264, 0.3443, 0.5004

Protanopia

81.0963, 0.3961, 0.4324

Deuteranopia

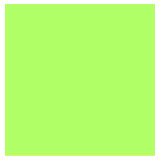
80.7323, 0.3535, 0.3615



Tritanopia

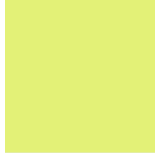
81.2064, 0.2816, 0.3110

Trichromacy



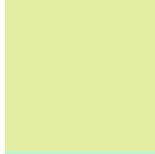
Original Color

81.8264, 0.3443, 0.5004



Protanomaly

80.5734, 0.3765, 0.4564



Deuteranomaly

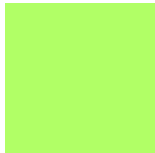
80.0886, 0.3529, 0.4110



Tritanomaly

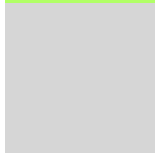
80.2942, 0.3072, 0.3800

Monochromacy



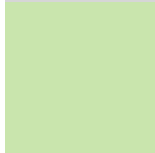
Original Color

81.8264, 0.3443, 0.5004



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.4733, 0.3290, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8264, 0.3443, 0.5004 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(177, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 81.8264, 0.3443, 0.5004 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(177, 255, 102) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8264, 0.3443, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 102) }
```

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

```
.background{ background-color: rgb(177,  
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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