

Converting Colors

$Yxy(81.0597, 0.3362, 0.4965)$

Have a look what the booklet for
Yxy(81.0597, 0.3362, 0.4965)
contains.

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Color

Yxy(81.0591, 0.3364, 0.4968)

Conversions

Conversions Part 1

Format	Color
Hex	A9FF6D
RGB	169, 255, 109
RGB Percent	66%, 100%, 43%
CMY	0.3371, 0.0000, 0.5726
CMYK	0.34, 0.00, 0.57, 0.00
HSL	95°, 100%, 71%
HSV	95°, 57%, 100%
XYZ	54.8878, 81.0591, 27.2155
YIQ	212.6420, -4.3900, -63.6380

Conversions

Conversions Part 2

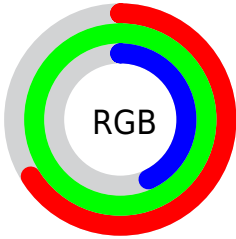
Format	Color
RYB	109, 255, 195
Decimal	11140973
CIELab	92.16, -49.83, 60.50
CIElCh	92, 78.372, 129.476
Yxy	81.0591, 0.3364, 0.4968
Android (android.graphics.Color)	4289331053 (0xFFA9FF6D)
YUV	212.6420, -51.0955, -38.2740
Hunter-Lab	90.0328, -48.7362, 45.1006

Details

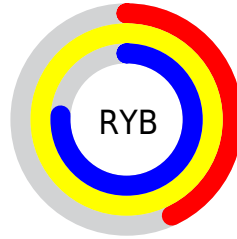
The Yxy color **81.0591, 0.3364, 0.4968** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.7486, 0.2649, 0.1713**, and the grayscale version is **66.6440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6943, 0.3482, 0.4241**, and **44.0247, 0.3347, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **79.0242, 0.3366, 0.5249**, and if you desaturate by 10%, it is **83.4509, 0.3345, 0.4662**.

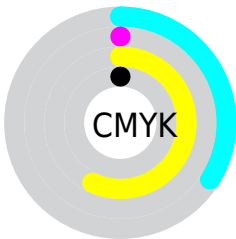
Distribution



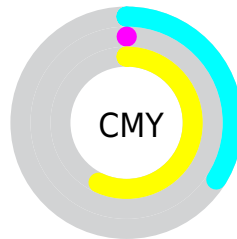
- Red (66%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (76%)



- Cyan (34%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0591, 0.3364, 0.4968 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 81.0591, 0.3364, 0.4968 by changing the saturation by 10% instead.


 81.0591, 0.3364,
0.4968


 81.0591, 0.3364,
0.4968


498.4949, 0.3306,
0.4166

 60.5903, 0.3362,
0.5151


 134.8538, 0.3356,
0.4689

 43.8946, 0.3350,
0.5373


 168.9484, 0.3349,
0.4580

 30.5876, 0.3322,
0.5649


 208.3537, 0.3342,
0.4487

 20.2851, 0.3262,
0.5993

 253.4541, 0.3335,
0.4405

 12.6024, 0.3141,
0.6425

304.6341, 0.3327,
0.4334

 7.1554, 0.2944,
0.7056


362.2779, 0.3320,


 3.5594, 0.2435,


0.4271


0.7565


426.7701, 0.3313,
0.4216

 1.4303, 0.0422,
0.9578


 0.2389, 0.0000,
1.0000

 81.0591, 0.3364,
0.4968


 81.0591, 0.3364,
0.4968


 79.0242, 0.3366,
0.5249

 83.4509, 0.3345,
0.4662

 77.3151, 0.3347,
0.5486


 86.2077, 0.3312,
0.4347


 75.9117, 0.3310,
0.5666

 89.3502, 0.3268,
0.4038

 74.7854, 0.3256,
0.5784

 92.8942, 0.3219,
0.3744

 74.5154, 0.3241,
0.5809

 96.8546, 0.3166,
0.3472

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



81.0591, 0.4176, 0.4780



81.0591, 0.3364, 0.4968



81.0591, 0.2534, 0.4457

Triad

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



81.0591, 0.3364, 0.4968



81.0591, 0.1671, 0.2110



81.0591, 0.4450, 0.2955

Complementary

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



81.0591, 0.3364, 0.4968



29.7486, 0.2649, 0.1713

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.



81.0591, 0.3579, 0.2428



81.0591, 0.3364, 0.4968



81.0591, 0.2017, 0.1956

Square

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



81.0591, 0.3364, 0.4968



81.0591, 0.1630, 0.2603



81.0591, 0.2675, 0.2075



81.0591, 0.4897, 0.3573

Rectangle

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



81.0591, 0.3364, 0.4968



81.0591, 0.2086, 0.3812



81.0591, 0.2675, 0.2075



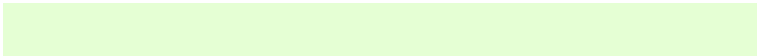
81.0591, 0.4189, 0.2765

Sweetspot

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



81.0626, 0.3364, 0.4968



92.9928, 0.3218, 0.3737



61.0183, 0.4301, 0.4144



19.7444, 0.3228, 0.3794



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.



81.0626, 0.3364, 0.4968



78.7045, 0.3364, 0.5294



76.1539, 0.2993, 0.5006



20.5329, 0.3178, 0.3531



39.0184, 0.3252, 0.5800



3.8612, 0.3340, 0.5730

Inverse Universe

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



29.7486, 0.2649, 0.1713



22.8415, 0.2518, 0.1427



38.6547, 0.3303, 0.2031



17.9062, 0.3072, 0.3051



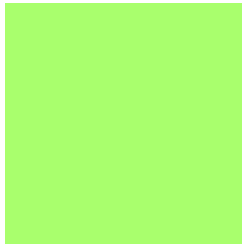
7.2562, 0.2205, 0.0988



0.7705, 0.2316, 0.1049

Previews

White Background



This preview shows how the Yxy color 81.0591, 0.3364, 0.4968 looks on a white background.

Color Contrast Check

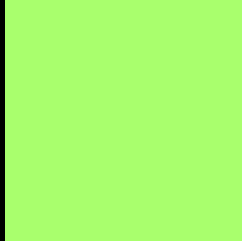
Large Text (above 18pt) WCAG AA × Fail

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 81.0591, 0.3364, 0.4968 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

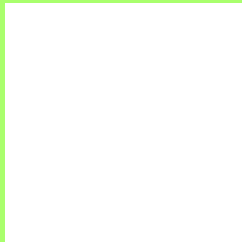
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0591, 0.3364, 0.4968

Background



This preview shows how black text looks on a background with the Yxy color 81.0591, 0.3364, 0.4968.



This preview shows how white text looks on a background with the Yxy color 81.0591, 0.3364, 0.4968.

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

81.0591, 0.3364, 0.4968

Protanopia

80.3293, 0.4011, 0.4384

Deuteranopia

80.0932, 0.3551, 0.3626



Tritanopia

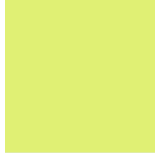
80.3748, 0.2781, 0.3108

Trichromacy



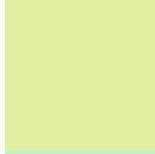
Original Color

81.0591, 0.3364, 0.4968



Protanomaly

79.4284, 0.3762, 0.4594



Deuteranomaly

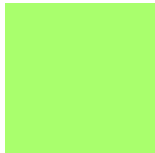
79.0600, 0.3504, 0.4095



Tritanomaly

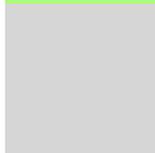
79.5304, 0.3011, 0.3771

Monochromacy



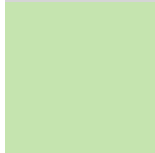
Original Color

81.0591, 0.3364, 0.4968



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.4523, 0.3250, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0591, 0.3364, 0.4968 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(169, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 109)  
}
```

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(169, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 81.0591, 0.3364, 0.4968 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(169, 255, 109) }
```

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

```
.border{ border-color:rgb(169, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 255, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 255, 109); box-shadow:4px 4px 4px 4px rgb(169, 255, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0591, 0.3364, 0.4968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 109) }
```

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

```
.background{ background-color: rgb(169,  
255, 109) }
```

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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