

Converting Colors

$Y_{xy}(100.0000, 0.3053, 0.4676)$

Have a look what the booklet for
Yxy(100.0000, 0.3053, 0.4676)
contains.

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Color

Yxy(81.1913, 0.3062, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	9DFF9F
RGB	157, 255, 159
RGB Percent	62%, 100%, 62%
CMY	0.3842, 0.0000, 0.3764
CMYK	0.38, 0.00, 0.38, 0.00
HSL	121°, 100%, 81%
HSV	121°, 38%, 100%
XYZ	55.9298, 81.1913, 45.5365
YIQ	214.7540, -27.5920, -50.6320

Conversions

Conversions Part 2

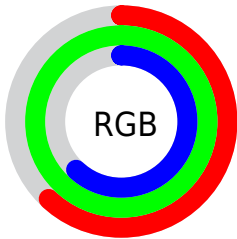
Format	Color
RYB	157, 253, 255
Decimal	10354591
CIELab	92.22, -47.46, 37.02
CIELCh	92, 60.188, 142.048
Yxy	81.1913, 0.3062, 0.4445
Android (android.graphics.Color)	4288544671 (0xFF9DFF9F)
YUV	214.7540, -27.4867, -50.6503
Hunter-Lab	90.1062, -46.8893, 33.1113

Details

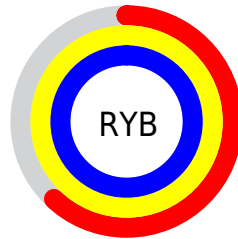
The Yxy color **81.1913, 0.3062, 0.4445** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.4785, 0.3188, 0.2355**, and the grayscale version is **67.9921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8221, 0.3113, 0.3724**, and **44.1381, 0.3021, 0.4753** is the 20% darker color. If you saturate the color by 10%, you get **78.1095, 0.3044, 0.4802**, and if you desaturate by 10%, it is **84.9904, 0.3080, 0.4102**.

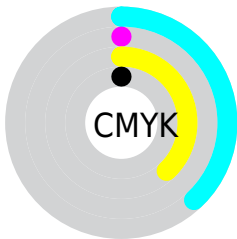
Distribution



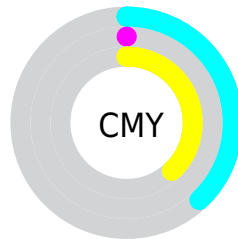
- Red (62%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (99%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1913, 0.3062, 0.4445 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 81.1913, 0.3062, 0.4445 by changing the saturation by 10% instead.


 81.1913, 0.3062,
0.4445


 81.1913, 0.3062,
0.4445

498.9386, 0.3112,
0.3887

 60.6992, 0.3045,
0.4577


 135.0393, 0.3084,
0.4247

 43.9824, 0.3021,
0.4742


 169.1640, 0.3091,
0.4172

 30.6567, 0.2987,
0.4954


208.6017, 0.3097,
0.4107

 20.3376, 0.2933,
0.5233

253.7368, 0.3101,
0.4051

 12.6407, 0.2846,
0.5616

304.9536, 0.3105,
0.4002

 7.1816, 0.2691,
0.6163


362.6366, 0.3108,


 3.5759, 0.2506,


0.3959


0.7309


427.1701, 0.3110,
0.3921

 1.4393, 0.0810,
0.9190

 0.2454, 0.0000,
1.0000


 81.1913, 0.3062,
0.4445


 81.1913, 0.3062,
0.4445


 78.1095, 0.3044,
0.4802


 84.9904, 0.3080,
0.4102

 75.6907, 0.3027,
0.5152

 89.5370, 0.3098,
0.3785

 73.8890, 0.3013,
0.5468

 94.8718, 0.3115,
0.3502

 72.6488, 0.3004,
0.5723

99.9986, 0.3127,
0.3290

■ 71.9039, 0.2999,
0.5896

■ 71.5647, 0.2998,
0.5983

■ 71.5300, 0.2998,
0.5991

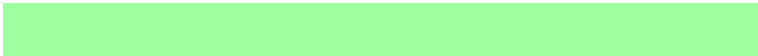
Harmonies

Analogous

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



81.1913, 0.3733, 0.4558



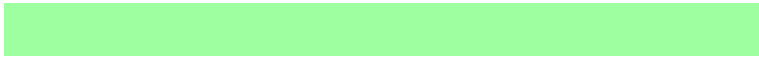
81.1913, 0.3062, 0.4445



81.1913, 0.2444, 0.3876

Triad

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



81.1913, 0.3062, 0.4445



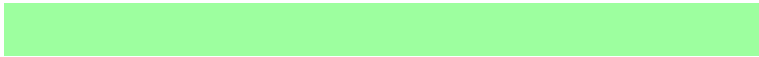
81.1913, 0.2046, 0.2272



81.1913, 0.4341, 0.3254

Complementary

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



81.1913, 0.3062, 0.4445



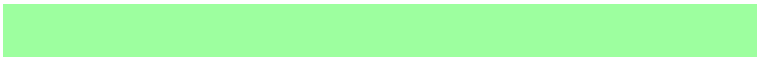
52.4785, 0.3188, 0.2355

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.



81.1913, 0.3782, 0.2774



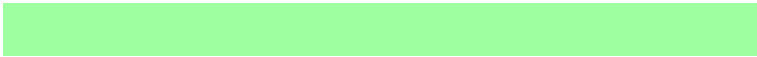
81.1913, 0.3062, 0.4445



81.1913, 0.2444, 0.2231

Square

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



81.1913, 0.3062, 0.4445



81.1913, 0.1906, 0.2570



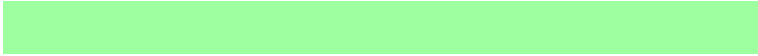
81.1913, 0.3067, 0.2413



81.1913, 0.4516, 0.3779

Rectangle

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



81.1913, 0.3062, 0.4445



81.1913, 0.2144, 0.3381



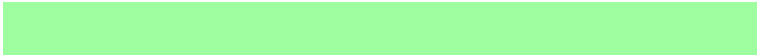
81.1913, 0.3067, 0.2413



81.1913, 0.4189, 0.3085

Sweetspot

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



81.1947, 0.3062, 0.4445



92.8687, 0.3109, 0.3599



94.9055, 0.3694, 0.4250



19.7269, 0.3107, 0.3636



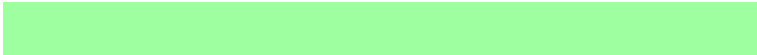
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

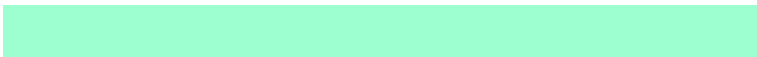
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1947, 0.3062, 0.4445



78.7937, 0.3048, 0.4716



83.2274, 0.2818, 0.3844



20.1742, 0.3113, 0.3531



37.3793, 0.2997, 0.5988



3.6415, 0.2988, 0.5958

Inverse Universe

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



52.4785, 0.3188, 0.2355



46.4184, 0.3200, 0.2186



49.7644, 0.3618, 0.2802



18.2936, 0.3141, 0.3061



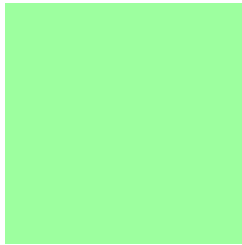
14.7122, 0.3261, 0.1570



1.4344, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 81.1913, 0.3062, 0.4445 looks on a white background.

Color Contrast Check

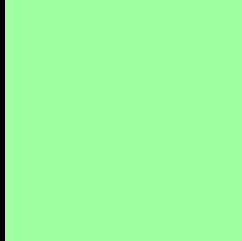
Large Text (above 18pt) WCAG AA × Fail

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 81.1913, 0.3062, 0.4445 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

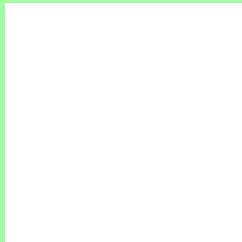
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1913, 0.3062, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 81.1913, 0.3062, 0.4445.

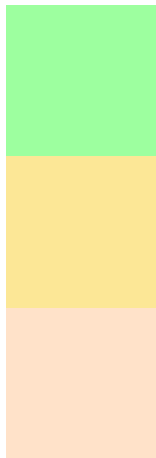


This preview shows how white text looks on a background with the Yxy color 81.1913, 0.3062, 0.4445.

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

81.1913, 0.3062, 0.4445

Protanopia

80.0493, 0.3813, 0.4112

Deuteranopia

79.8698, 0.3505, 0.3544



Tritanopia

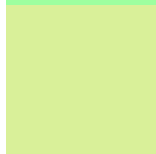
80.7466, 0.2748, 0.3128

Trichromacy



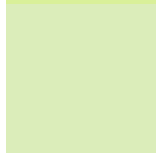
Original Color

81.1913, 0.3062, 0.4445



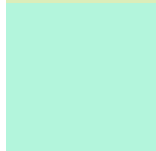
Protanomaly

79.3718, 0.3506, 0.4247



Deuteranomaly

79.1736, 0.3324, 0.3850



Tritanomaly

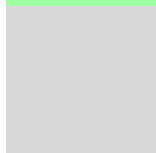
80.0558, 0.2864, 0.3574

Monochromacy



Original Color

81.1913, 0.3062, 0.4445



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0031, 0.3101, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1913, 0.3062, 0.4445 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(157, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 159)  
}
```

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(157, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 81.1913, 0.3062, 0.4445 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(157, 255, 159) }
```

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

```
.border{ border-color:rgb(157, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1913, 0.3062, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 159) }
```

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

```
.background{ background-color: rgb(157,  
255, 159) }
```

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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