

Converting Colors

Yxy(80.1454, 0.3094, 0.4623)

Have a look what the booklet for
Yxy(80.1454, 0.3094, 0.4623)
contains.

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Color

Yxy(80.1436, 0.3096, 0.4627)

Conversions

Conversions Part 1

Format	Color
Hex	97FF91
RGB	151, 255, 145
RGB Percent	59%, 100%, 57%
CMY	0.4081, 0.0000, 0.4313
CMYK	0.41, 0.00, 0.43, 0.00
HSL	117°, 100%, 78%
HSV	117°, 43%, 100%
XYZ	53.6254, 80.1436, 39.4396
YIQ	211.3640, -26.6740, -56.2580

Conversions

Conversions Part 2

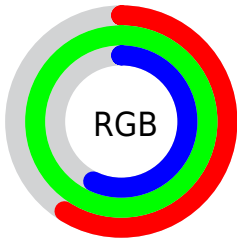
Format	Color
RYB	145, 255, 249
Decimal	9961361
CIELab	91.75, -51.28, 43.21
CIElCh	92, 67.056, 139.884
Yxy	80.1436, 0.3096, 0.4627
Android (android.graphics.Color)	4288151441 (0xFF97FF91)
YUV	211.3640, -32.7175, -52.9392
Hunter-Lab	89.5230, -49.7414, 36.5457

Details

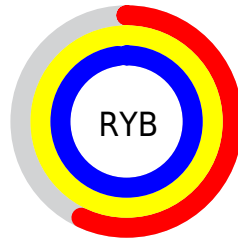
The Yxy color **80.1436, 0.3096, 0.4627** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.6346, 0.3127, 0.2214**, and the grayscale version is **65.6159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2454, 0.3154, 0.3884**, and **43.4880, 0.3054, 0.4985** is the 20% darker color. If you saturate the color by 10%, you get **77.3615, 0.3082, 0.4984**, and if you desaturate by 10%, it is **83.5635, 0.3107, 0.4273**.

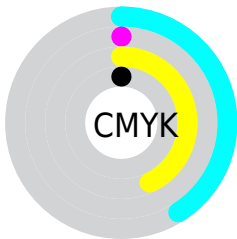
Distribution



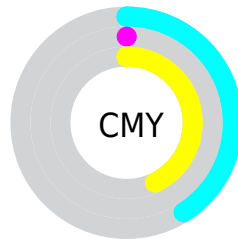
- Red (59%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (98%)



- Cyan (41%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1436, 0.3096, 0.4627 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 80.1436, 0.3096, 0.4627 by changing the saturation by 10% instead.


 80.1436, 0.3096,
0.4627

 80.1436, 0.3096,
0.4627


495.4166, 0.3138,
0.3977

 59.8365, 0.3079,
0.4781


 133.5676, 0.3117,
0.4397

 43.2869, 0.3053,
0.4973


 167.4533, 0.3123,
0.4309

 30.1103, 0.3014,
0.5218

206.6341, 0.3128,
0.4233

 19.9223, 0.2950,
0.5540

251.4942, 0.3131,
0.4168

 12.3386, 0.2843,
0.5976

302.4181, 0.3134,
0.4111

 6.9747, 0.2651,
0.6588


359.7903, 0.3136,


 3.4463, 0.2339,

0.4061


0.7661


423.9950, 0.3137,
0.4017


 1.3689, 0.0000,
1.0000


 0.1937, 0.0000,
1.0000


 80.1436, 0.3096,
0.4627


 80.1436, 0.3096,
0.4627

 77.3615, 0.3082,
0.4984


 83.5635, 0.3107,
0.4273


 75.1929, 0.3066,
0.5319

 87.6752, 0.3116,
0.3940

 73.5866, 0.3048,
0.5607

 92.5078, 0.3122,
0.3637

 72.4904, 0.3031,
0.5822

 98.0935, 0.3126,
0.3367

■ 71.8425, 0.3015,
0.5950

100.0000, 0.3127,
0.3290

■ 71.6110, 0.3008,
0.5994

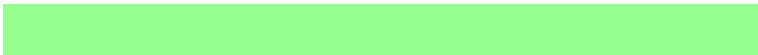
Harmonies

Analogous

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



80.1436, 0.3835, 0.4693



80.1436, 0.3096, 0.4627



80.1436, 0.2405, 0.4009

Triad

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



80.1436, 0.3096, 0.4627



80.1436, 0.1917, 0.2178



80.1436, 0.4453, 0.3197

Complementary

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



80.1436, 0.3096, 0.4627



47.6346, 0.3127, 0.2214

Split Complementary

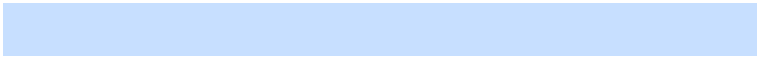
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1436, 0.3801, 0.2684



80.1436, 0.3096, 0.4627



80.1436, 0.2328, 0.2121

Square

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



80.1436, 0.3096, 0.4627



80.1436, 0.1786, 0.2518



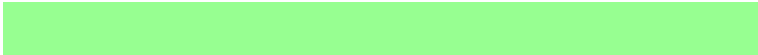
80.1436, 0.2998, 0.2304



80.1436, 0.4676, 0.3767

Rectangle

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



80.1436, 0.3096, 0.4627



80.1436, 0.2066, 0.3444



80.1436, 0.2998, 0.2304



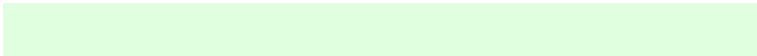
80.1436, 0.4273, 0.3016

Sweetspot

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



80.1381, 0.3096, 0.4627



92.5743, 0.3122, 0.3633



90.2361, 0.3800, 0.4296



19.5723, 0.3121, 0.3697



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

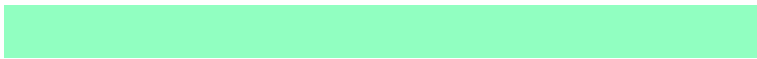
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1381, 0.3096, 0.4627



77.6434, 0.3084, 0.4944



81.3780, 0.2832, 0.4041



20.2147, 0.3124, 0.3535



37.4371, 0.3011, 0.5991



3.6608, 0.3037, 0.5970

Inverse Universe

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



47.6346, 0.3127, 0.2214



41.1711, 0.3122, 0.2017



46.0401, 0.3611, 0.2653



18.2477, 0.3129, 0.3055



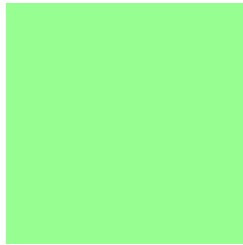
13.5932, 0.3075, 0.1467



1.3381, 0.3091, 0.1476

Previews

White Background



This preview shows how the Yxy color 80.1436, 0.3096, 0.4627 looks on a white background.

Color Contrast Check

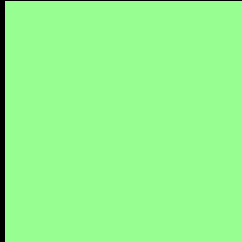
Large Text (above 18pt) WCAG AA × Fail

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 80.1436, 0.3096, 0.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

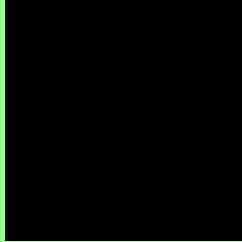
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

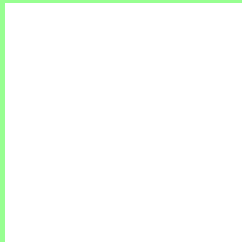
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1436, 0.3096, 0.4627

Background



This preview shows how black text looks on a background with the Yxy color 80.1436, 0.3096, 0.4627.

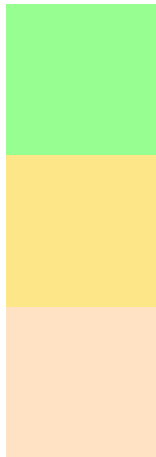


This preview shows how white text looks on a background with the Yxy color 80.1436, 0.3096, 0.4627.

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

80.1436, 0.3096, 0.4627

Protanopia

79.0666, 0.3905, 0.4236

Deuteranopia

79.0506, 0.3549, 0.3596



Tritanopia

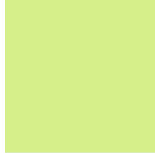
79.5178, 0.2720, 0.3116

Trichromacy



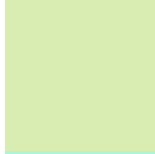
Original Color

80.1436, 0.3096, 0.4627



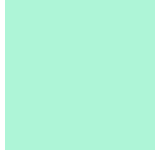
Protanomaly

78.0442, 0.3576, 0.4391



Deuteranomaly

77.9169, 0.3368, 0.3943



Tritanomaly

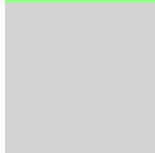
79.2098, 0.2863, 0.3636

Monochromacy



Original Color

80.1436, 0.3096, 0.4627



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3448, 0.3119, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1436, 0.3096, 0.4627 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(151, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 145)  
}
```

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(151, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 80.1436, 0.3096, 0.4627 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(151, 255, 145) }
```

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

```
.border{ border-color:rgb(151, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1436, 0.3096, 0.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 145) }
```

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

```
.background{ background-color: rgb(151,  
255, 145) }
```

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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