

Converting Colors

Yxy(78.9676, 0.3027, 0.4655)

Have a look what the booklet for
Yxy(78.9676, 0.3027, 0.4655)
contains.

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Color

Yxy(78.9676, 0.3027, 0.4655)

Conversions

Conversions Part 1	
Format	Color
Hex	8AFF91
RGB	138, 255, 145
RGB Percent	54%, 100%, 57%
CMY	0.4589, 0.0000, 0.4314
CMYK	0.46, 0.00, 0.43, 0.00
HSL	124°, 100%, 77%
HSV	124°, 46%, 100%
XYZ	51.3501, 78.9676, 39.3226
YIQ	207.4770, -34.4220, -59.0140

Conversions

Conversions Part 2

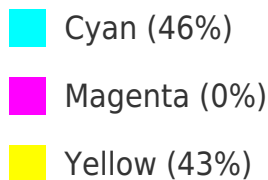
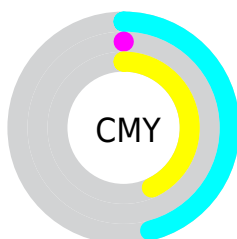
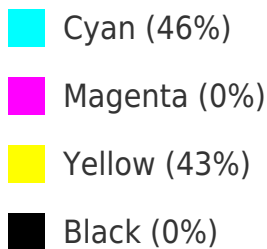
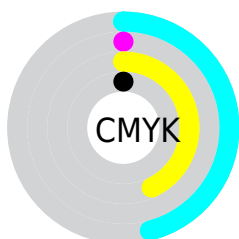
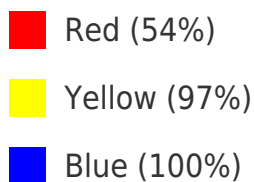
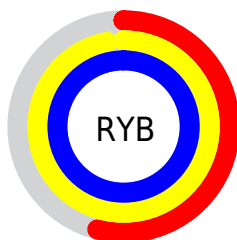
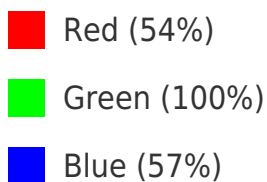
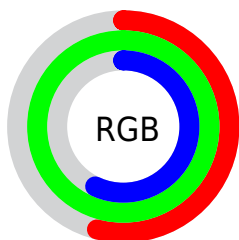
Format	Color
RYB	138, 248, 255
Decimal	9109393
CIELab	91.22, -54.93, 42.43
CIELCh	91, 69.408, 142.311
Yxy	78.9676, 0.3027, 0.4655
Android (android.graphics.Color)	4287299473 (0xFF8AFF91)
YUV	207.4770, -30.8012, -60.9313
Hunter-Lab	88.8637, -52.3648, 35.9685

Details

The Yxy color **78.9676, 0.3027, 0.4655** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.2098, 0.3240, 0.2225**, and the grayscale version is **62.9368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5604, 0.3081, 0.3897**, and **42.3425, 0.2964, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **76.3780, 0.3009, 0.5000**, and if you desaturate by 10%, it is **82.2216, 0.3048, 0.4312**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9676, 0.3027, 0.4655 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 78.9676, 0.3027, 0.4655 by changing the saturation by 10% instead.

 78.9676, 0.3027,
0.4655

 78.9676, 0.3027,
0.4655


491.4467, 0.3102,
0.3988

 58.8692, 0.3002,
0.4814


 131.9132, 0.3059,
0.4417

 42.5078, 0.2967,
0.5014


 165.5293, 0.3070,
0.4327

 29.4991, 0.2916,
0.5270


204.4199, 0.3078,
0.4249

 19.4587, 0.2837,
0.5608

248.9696, 0.3085,
0.4182

 12.0022, 0.2709,
0.6068

299.5627, 0.3090,
0.4124

 6.7452, 0.2486,
0.6720


356.5837, 0.3095,


 3.3033, 0.2128,


0.4073


0.7872


420.4169, 0.3099,
0.4028


 1.2920, 0.0000,
1.0000


 0.1350, 0.0000,
1.0000

 78.9676, 0.3027,
0.4655

 78.9676, 0.3027,
0.4655


 76.3780, 0.3009,
0.5000


 82.2216, 0.3048,
0.4312


 74.4097, 0.2995,
0.5325

 86.1849, 0.3071,
0.3988


 73.0098, 0.2987,
0.5604

 90.8949, 0.3093,
0.3692

 72.1175, 0.2986,
0.5814

 96.3871, 0.3115,
0.3429

 71.6585, 0.2991, 100.0000, 0.3127,
0.5943 0.3290

 71.5553, 0.2993,
0.5973

Harmonies

Analogous

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



78.9676, 0.3796, 0.4763



78.9676, 0.3027, 0.4655



78.9676, 0.2327, 0.3970

Triad

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



78.9676, 0.3027, 0.4655



78.9676, 0.1900, 0.2125



78.9676, 0.4543, 0.3236

Complementary

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



78.9676, 0.3027, 0.4655



46.2098, 0.3240, 0.2225

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.



78.9676, 0.3892, 0.2701



78.9676, 0.3027, 0.4655



78.9676, 0.2346, 0.2090

Square

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



78.9676, 0.3027, 0.4655



78.9676, 0.1741, 0.2446



78.9676, 0.3057, 0.2296



78.9676, 0.4730, 0.3824

Rectangle

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



78.9676, 0.3027, 0.4655



78.9676, 0.1993, 0.3376



78.9676, 0.3057, 0.2296



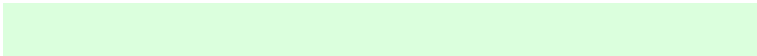
78.9676, 0.4368, 0.3048

Sweetspot

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



78.9665, 0.3027, 0.4655



91.8706, 0.3098, 0.3640



93.5218, 0.3768, 0.4435



19.4258, 0.3093, 0.3700



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

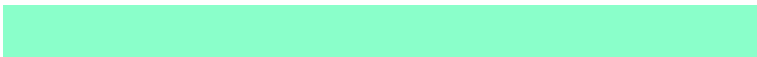
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9665, 0.3027, 0.4655



76.5819, 0.3010, 0.4970



81.2028, 0.2752, 0.3925



20.1858, 0.3107, 0.3521



37.3960, 0.2990, 0.5964



3.6470, 0.2966, 0.5879

Inverse Universe

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



46.2098, 0.3240, 0.2225



40.1549, 0.3264, 0.2046



43.1791, 0.3799, 0.2748



18.2805, 0.3147, 0.3070



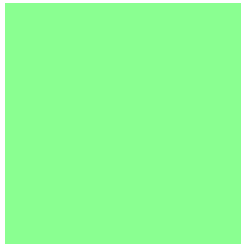
14.3955, 0.3366, 0.1628



1.4071, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 78.9676, 0.3027, 0.4655 looks on a white background.

Color Contrast Check

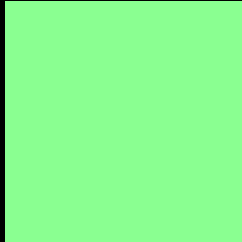
Large Text (above 18pt) WCAG AA × Fail

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 78.9676, 0.3027, 0.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

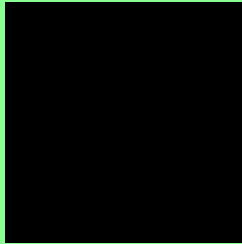
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

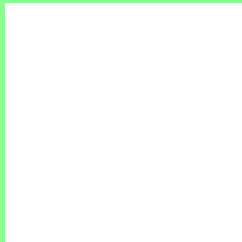
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9676, 0.3027, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 78.9676, 0.3027, 0.4655.

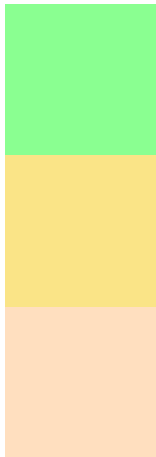


This preview shows how white text looks on a background with the Yxy color 78.9676, 0.3027, 0.4655.

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

78.9676, 0.3027, 0.4655

Protanopia

77.5601, 0.3905, 0.4233

Deuteranopia

77.7969, 0.3582, 0.3617



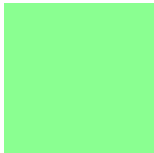
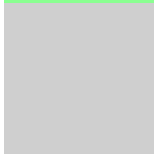
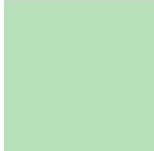
Tritanopia

78.4180, 0.2671, 0.3113

Trichromacy

	Original Color 78.9676, 0.3027, 0.4655
	Protanomaly 76.5685, 0.3535, 0.4399
	Deuteranomaly 76.4697, 0.3353, 0.3975
	Tritanomaly 77.9976, 0.2802, 0.3641

Monochromacy

	Original Color 78.9676, 0.3027, 0.4655
	Achromatopsia 62.3960, 0.3127, 0.3290
	Achromatomaly 66.7171, 0.3091, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9676, 0.3027, 0.4655 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(138, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 78.9676, 0.3027, 0.4655 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(138, 255, 145) }
```

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

```
.border{ border-color:rgb(138, 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(138, 255, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9676, 0.3027, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 145) }
```

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

```
.background{ background-color: rgb(138,  
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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double the colors in the color bucket, and more
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