

Converting Colors

$Yxy(78.5820, 0.3018, 0.4371)$

Have a look what the booklet for
Yxy(78.5820, 0.3018, 0.4371)
contains.

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Color

Yxy(78.4110, 0.3021, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	99FBA3
RGB	153, 251, 163
RGB Percent	60%, 98%, 64%
CMY	0.3997, 0.0157, 0.3608
CMYK	0.39, 0.00, 0.35, 0.02
HSL	126°, 92%, 79%
HSV	126°, 39%, 98%
XYZ	54.2555, 78.4110, 46.9281
YIQ	211.6660, -30.1600, -48.1440

Conversions

Conversions Part 2

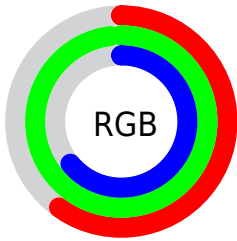
Format	Color
RYB	153, 242, 251
Decimal	10091427
CIELab	90.97, -46.30, 33.35
CIElCh	91, 57.060, 144.231
Yxy	78.4110, 0.3021, 0.4366
Android (android.graphics.Color)	4288281507 (0xFF99FBA3)
YUV	211.6660, -23.9923, -51.4501
Hunter-Lab	88.5500, -45.5936, 30.5636

Details

The Yxy color **78.4110, 0.3021, 0.4366** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.6692, 0.3255, 0.2410**, and the grayscale version is **65.7950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4834, 0.3060, 0.3672**, and **42.2507, 0.2979, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **75.4843, 0.2998, 0.4698**, and if you desaturate by 10%, it is **82.0022, 0.3047, 0.4050**.

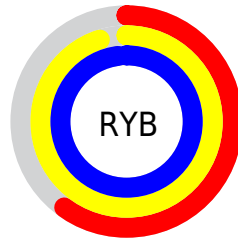
Distribution



Red (60%)

Green (98%)

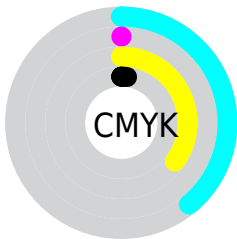
Blue (64%)



Red (60%)

Yellow (95%)

Blue (98%)

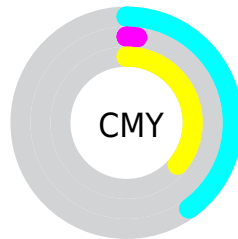


Cyan (39%)

Magenta (0%)

Yellow (35%)

Black (2%)



Cyan (40%)


Magenta (2%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4110, 0.3021, 0.4366 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 78.4110, 0.3021, 0.4366 by changing the saturation by 10% instead.


 78.4110, 0.3021,
0.4366


 78.4110, 0.3021,
0.4366


489.5615, 0.3087,
0.3843

 58.4117, 0.3001,
0.4491


 131.1293, 0.3048,
0.4180

 42.1397, 0.2974,
0.4647


 164.6171, 0.3057,
0.4109

 29.2107, 0.2936,
0.4849

203.3699, 0.3065,
0.4049

 19.2403, 0.2879,
0.5117

247.7719, 0.3071,
0.3996

 11.8440, 0.2788,
0.5490

298.2078, 0.3076,
0.3951

 6.6376, 0.2631,
0.6033


355.0617, 0.3080,


 3.2365, 0.2425,


0.3911


0.7144


418.7181, 0.3084,
0.3875

 1.2564, 0.0186,
0.9814


 0.1071, 0.0000,
1.0000


 78.4110, 0.3021,
0.4366


 78.4110, 0.3021,
0.4366

 75.4843, 0.2998,
0.4698


 82.0022, 0.3047,
0.4050


 73.1720, 0.2979,
0.5030

 86.2847, 0.3075,
0.3759

 71.4330, 0.2968,
0.5341

 91.2958, 0.3103,
0.3498

 70.2166, 0.2966,
0.5607

 97.0673, 0.3130,
0.3269

■ 69.4635, 0.2972,
0.5809

■ 97.4701, 0.3129,
0.3252

■ 69.0885, 0.2984,
0.5935

■ 69.0623, 0.2984,
0.5944

Harmonies

Analogous

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



78.4110, 0.3669, 0.4513



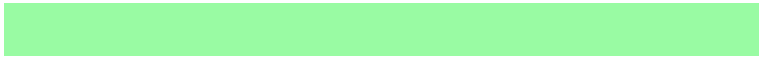
78.4110, 0.3021, 0.4366



78.4110, 0.2436, 0.3801

Triad

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



78.4110, 0.3021, 0.4366



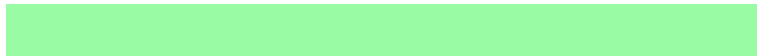
78.4110, 0.2104, 0.2298



78.4110, 0.4317, 0.3296

Complementary

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



78.4110, 0.3021, 0.4366



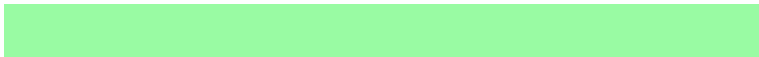
49.6692, 0.3255, 0.2410

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.



78.4110, 0.3804, 0.2825



78.4110, 0.3021, 0.4366



78.4110, 0.2508, 0.2274

Square

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



78.4110, 0.3021, 0.4366



78.4110, 0.1950, 0.2570



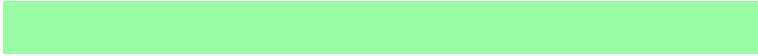
78.4110, 0.3120, 0.2463



78.4110, 0.4457, 0.3803

Rectangle

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



78.4110, 0.3021, 0.4366



78.4110, 0.2156, 0.3328



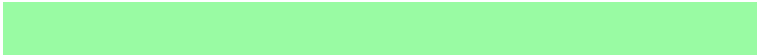
78.4110, 0.3120, 0.2463



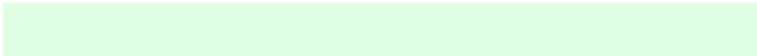
78.4110, 0.4180, 0.3131

Sweetspot

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



78.4143, 0.3021, 0.4366



93.0052, 0.3095, 0.3573



90.0287, 0.3645, 0.4284



19.7587, 0.3091, 0.3606



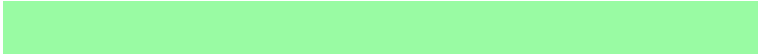
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.4143, 0.3021, 0.4366



78.7996, 0.3002, 0.4632



80.5143, 0.2773, 0.3752



19.3378, 0.3102, 0.3510



36.3138, 0.2981, 0.5930



3.3725, 0.2942, 0.5790

Inverse Universe

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



49.6692, 0.3255, 0.2410



45.0913, 0.3287, 0.2243



47.1313, 0.3708, 0.2878



17.4924, 0.3154, 0.3080



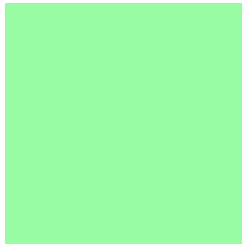
13.6660, 0.3483, 0.1692



1.2742, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 78.4110, 0.3021, 0.4366 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 78.4110, 0.3021, 0.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

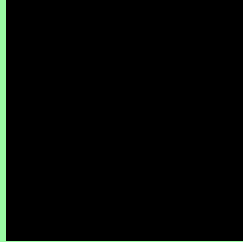
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

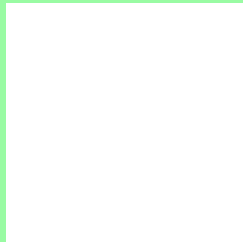
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4110, 0.3021, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 78.4110, 0.3021, 0.4366.

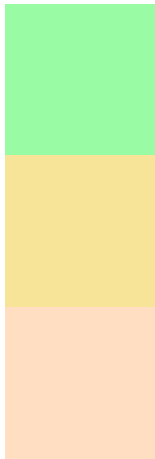


This preview shows how white text looks on a background with the Yxy color 78.4110, 0.3021, 0.4366.

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

78.4110, 0.3021, 0.4366

Protanopia

77.5609, 0.3767, 0.4066

Deuteranopia

77.3528, 0.3570, 0.3587



Tritanopia

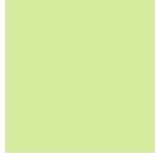
78.0724, 0.2680, 0.3103

Trichromacy



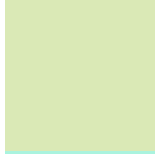
Original Color

78.4110, 0.3021, 0.4366



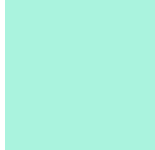
Protanomaly

76.5714, 0.3463, 0.4175



Deuteranomaly

76.5607, 0.3348, 0.3855



Tritanomaly

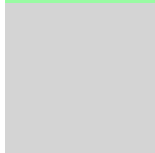
77.9212, 0.2802, 0.3532

Monochromacy



Original Color

78.4110, 0.3021, 0.4366



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.3641, 0.3089, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4110, 0.3021, 0.4366 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(153, 251, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 251, 163)  
}
```

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(153, 251, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 251, 163) }
```

Border

The CSS property to change the border of an element to Yxy 78.4110, 0.3021, 0.4366 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(153, 251, 163) }
```

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

```
.border{ border-color:rgb(153, 251, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 251, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 251, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 251, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 251,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4110, 0.3021, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 251, 163) }
```

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

```
.background{ background-color: rgb(153,  
251, 163) }
```

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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