

Converting Colors

Yxy(78.3884, 0.3113, 0.4612)

Have a look what the booklet for
Yxy(78.3884, 0.3113, 0.4612)
contains.

Yxy(78.4067, 0.3114, 0.4609)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.4067, 0.3114, 0.4609)

Conversions

Conversions Part 1

Format	Color
Hex	99FC90
RGB	153, 252, 144
RGB Percent	60%, 99%, 56%
CMY	0.4002, 0.0117, 0.4352
CMYK	0.39, 0.00, 0.43, 0.01
HSL	115°, 95%, 78%
HSV	115°, 43%, 99%
XYZ	52.9743, 78.4067, 38.7355
YIQ	210.0870, -24.3360, -54.5760

Conversions

Conversions Part 2

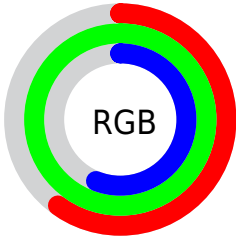
Format	Color
RYB	144, 252, 243
Decimal	10091664
CIELab	90.97, -49.58, 42.71
CIELCh	91, 65.438, 139.258
Yxy	78.4067, 0.3114, 0.4609
Android (android.graphics.Color)	4288281744 (0xFF99FC90)
YUV	210.0870, -32.5809, -50.0653
Hunter-Lab	88.5476, -48.1692, 36.0466

Details

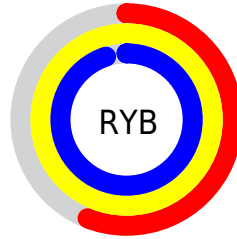
The Yxy color **78.4067, 0.3114, 0.4609** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.0540, 0.3100, 0.2212**, and the grayscale version is **64.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4924, 0.3173, 0.3893**, and **42.2897, 0.3074, 0.4948** is the 20% darker color. If you saturate the color by 10%, you get **75.6884, 0.3102, 0.4963**, and if you desaturate by 10%, it is **81.7394, 0.3122, 0.4259**.

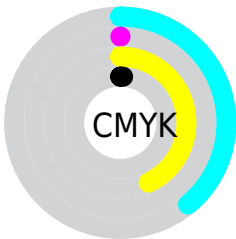
Distribution



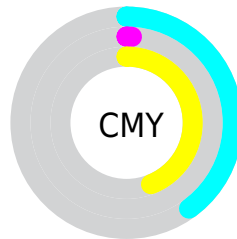
- Red (60%)
- Green (99%)
- Blue (56%)



- Red (56%)
- Yellow (99%)
- Blue (95%)



- Cyan (39%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)



- Cyan (40%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4067, 0.3114, 0.4609 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 78.4067, 0.3114, 0.4609 by changing the saturation by 10% instead.

 78.4067, 0.3114,
0.4609


 78.4067, 0.3114,
0.4609


489.5469, 0.3147,
0.3967

 58.4081, 0.3099,
0.4762


 131.1233, 0.3132,
0.4381

 42.1368, 0.3075,
0.4952


 164.6101, 0.3137,
0.4294

 29.2085, 0.3039,
0.5196


203.3618, 0.3140,
0.4219

 19.2386, 0.2980,
0.5518

247.7627, 0.3143,
0.4155

 11.8428, 0.2876,
0.5953

298.1973, 0.3145,
0.4099

 6.6367, 0.2689,
0.6572


355.0499, 0.3146,


 3.2360, 0.2370,

0.4049


0.7630


418.7050, 0.3147,
0.4006


 1.2561, 0.0000,
1.0000


 0.1069, 0.0000,
1.0000


 78.4067, 0.3114,
0.4609


 78.4067, 0.3114,
0.4609


 75.6884, 0.3102,
0.4963


 81.7394, 0.3122,
0.4259

 73.5378, 0.3086,
0.5297

 85.7102, 0.3126,
0.3929

 71.9171, 0.3067,
0.5586

 90.3539, 0.3128,
0.3628

 70.7802, 0.3046,
0.5805

 95.6995, 0.3128,
0.3360

■ 70.0724, 0.3026,
0.5939

■ 98.1090, 0.3128,
0.3262

■ 69.7864, 0.3014,
0.5989

Harmonies

Analogous

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



78.4067, 0.3840, 0.4666



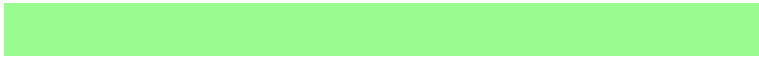
78.4067, 0.3114, 0.4609



78.4067, 0.2430, 0.4012

Triad

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



78.4067, 0.3114, 0.4609



78.4067, 0.1928, 0.2199



78.4067, 0.4420, 0.3189

Complementary

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



78.4067, 0.3114, 0.4609



46.0540, 0.3100, 0.2212

Split Complementary

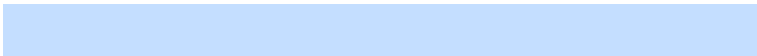
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4067, 0.3774, 0.2684



78.4067, 0.3114, 0.4609



78.4067, 0.2329, 0.2136

Square

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



78.4067, 0.3114, 0.4609



78.4067, 0.1805, 0.2542



78.4067, 0.2985, 0.2312



78.4067, 0.4652, 0.3752

Rectangle

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



78.4067, 0.3114, 0.4609



78.4067, 0.2091, 0.3460



78.4067, 0.2985, 0.2312



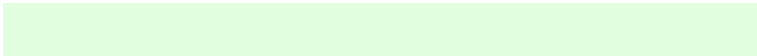
78.4067, 0.4241, 0.3011

Sweetspot

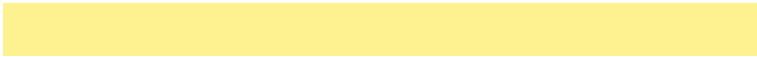
The Sweet Spot groups the original color and five complimentary colors.



78.4100, 0.3114, 0.4609



92.7273, 0.3128, 0.3633



86.8217, 0.3802, 0.4274



19.6094, 0.3128, 0.3696



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

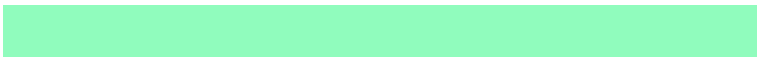
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4100, 0.3114, 0.4609



78.2078, 0.3105, 0.4899



79.2353, 0.2843, 0.4058



19.3777, 0.3128, 0.3534



36.3728, 0.3018, 0.5986



3.3915, 0.3059, 0.5953

Inverse Universe

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



46.0540, 0.3100, 0.2212



41.1540, 0.3090, 0.2026



45.1572, 0.3589, 0.2640



17.4474, 0.3125, 0.3055



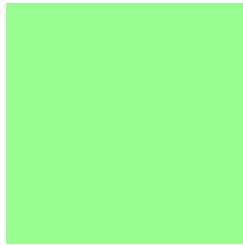
12.5585, 0.3002, 0.1427



1.1840, 0.3028, 0.1442

Previews

White Background



This preview shows how the Yxy color 78.4067, 0.3114, 0.4609 looks on a white background.

Color Contrast Check

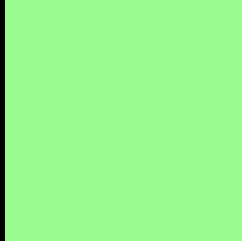
Large Text (above 18pt) WCAG AA × Fail

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 78.4067, 0.3114, 0.4609 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 78.4067, 0.3114, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 78.4067, 0.3114, 0.4609.

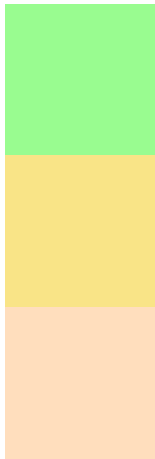


This preview shows how white text looks on a background with the Yxy color 78.4067, 0.3114, 0.4609.

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

78.4067, 0.3114, 0.4609

Protanopia

77.3758, 0.3897, 0.4236

Deuteranopia

77.1767, 0.3598, 0.3628



Tritanopia

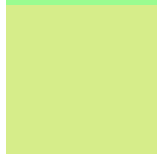
78.1928, 0.2686, 0.3103

Trichromacy



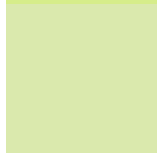
Original Color

78.4067, 0.3114, 0.4609



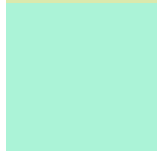
Protanomaly

76.6995, 0.3580, 0.4387



Deuteranomaly

76.2004, 0.3406, 0.3957



Tritanomaly

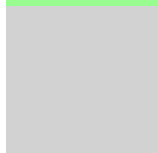
77.6654, 0.2845, 0.3615

Monochromacy



Original Color

78.4067, 0.3114, 0.4609



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.2144, 0.3126, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4067, 0.3114, 0.4609 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, 252, 144)` looks like.

```
.text, #text, p{  
    color:rgb(153, 252, 144)  
}
```

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, 252, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 252, 144) }
```

Border

The CSS property to change the border of an element to Yxy 78.4067, 0.3114, 0.4609 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, 252, 144) }
```

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

```
.border{ border-color:rgb(153, 252, 144) }
```

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

Here you see how a box with a 4 pixel rgb(153, 252, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 252, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 252, 144);  
box-shadow:4px 4px 4px 4px rgb(153, 252,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4067, 0.3114, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 252, 144) }
```

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

```
.background{ background-color: rgb(153,  
252, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor