

Converting Colors

$Yxy(77.9320, 0.3117, 0.4493)$

Have a look what the booklet for
Yxy(77.9320, 0.3117, 0.4493)
contains.

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Color

Yxy(77.9765, 0.3116, 0.4494)

Conversions

Conversions Part 1

Format	Color
Hex	9FFA97
RGB	159, 250, 151
RGB Percent	62%, 98%, 59%
CMY	0.3765, 0.0196, 0.4079
CMYK	0.36, 0.00, 0.40, 0.02
HSL	115°, 91%, 79%
HSV	115°, 40%, 98%
XYZ	54.0665, 77.9765, 41.4695
YIQ	211.5050, -22.4570, -50.0810

Conversions

Conversions Part 2

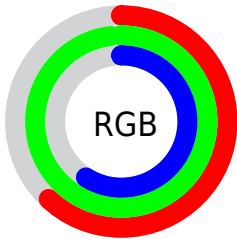
Format	Color
RYB	151, 250, 242
Decimal	10484375
CIELab	90.77, -45.93, 39.11
CIElCh	91, 60.324, 139.581
Yxy	77.9765, 0.3116, 0.4494
Android (android.graphics.Color)	4288674455 (0xFF9FFA97)
YUV	211.5050, -29.8290, -46.0469
Hunter-Lab	88.3043, -45.2415, 33.9692

Details

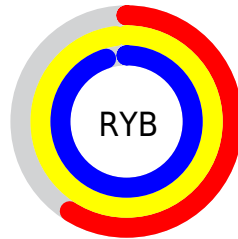
The Yxy color **77.9765, 0.3116, 0.4494** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.9059, 0.3105, 0.2291**, and the grayscale version is **65.7044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7279, 0.3171, 0.3809**, and **41.9243, 0.3082, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **75.1172, 0.3105, 0.4849**, and if you desaturate by 10%, it is **81.4512, 0.3123, 0.4149**.

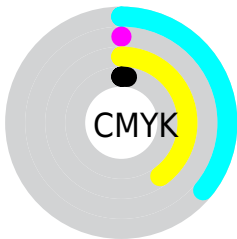
Distribution



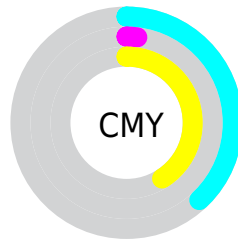
- Red (62%)
- Green (98%)
- Blue (59%)



- Red (59%)
- Yellow (98%)
- Blue (95%)



- Cyan (36%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9765, 0.3116, 0.4494 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 77.9765, 0.3116, 0.4494 by changing the saturation by 10% instead.

 77.9765, 0.3116,
0.4494

 77.9765, 0.3116,
0.4494


488.0870, 0.3144,
0.3909

 58.0547, 0.3103,
0.4633

 130.5170, 0.3131,
0.4286

 41.8526, 0.3084,
0.4807


 163.9045, 0.3135,
0.4207

 28.9859, 0.3054,
0.5031


202.5492, 0.3138,
0.4139

 19.0702, 0.3005,
0.5326

246.8358, 0.3140,
0.4080

 11.7210, 0.2919,
0.5730

297.1484, 0.3142,
0.4029

 6.5540, 0.2759,
0.6304


353.8716, 0.3143,


 3.1848, 0.2540,


0.3984


0.7460


417.3896, 0.3143,
0.3944


 1.2289, 0.0097,
0.9903

 0.0852, 0.0000,
1.0000


 77.9765, 0.3116,
0.4494


 77.9765, 0.3116,
0.4494


 75.1172, 0.3105,
0.4849


 81.4512, 0.3123,
0.4149

 72.8283, 0.3091,
0.5192

 85.5639, 0.3127,
0.3828

 71.0741, 0.3073,
0.5499

 90.3479, 0.3128,
0.3538

 69.8110, 0.3052,
0.5743

 95.8314, 0.3127,
0.3281

■ 68.9883, 0.3031,
0.5905

■ 96.8562, 0.3129,
0.3242

■ 68.5391, 0.3014,
0.5987

■ 68.5273, 0.3014,
0.5989

Harmonies

Analogous

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



77.9765, 0.3792, 0.4566



77.9765, 0.3116, 0.4494



77.9765, 0.2478, 0.3945

Triad

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



77.9765, 0.3116, 0.4494



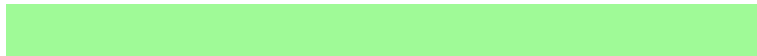
77.9765, 0.2009, 0.2272



77.9765, 0.4326, 0.3209

Complementary

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



77.9765, 0.3116, 0.4494



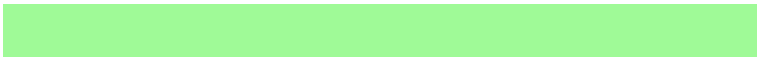
47.9059, 0.3105, 0.2291

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.



77.9765, 0.3735, 0.2731



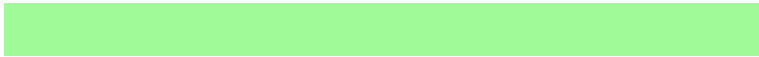
77.9765, 0.3116, 0.4494



77.9765, 0.2391, 0.2211

Square

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



77.9765, 0.3116, 0.4494



77.9765, 0.1890, 0.2596



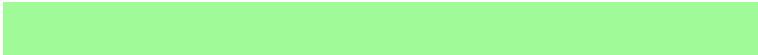
77.9765, 0.3007, 0.2378



77.9765, 0.4539, 0.3739

Rectangle

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



77.9765, 0.3116, 0.4494



77.9765, 0.2161, 0.3443



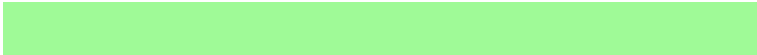
77.9765, 0.3007, 0.2378



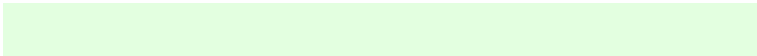
77.9765, 0.4162, 0.3041

Sweetspot

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



77.9798, 0.3116, 0.4494



93.2342, 0.3128, 0.3604



85.9180, 0.3752, 0.4203



19.8120, 0.3128, 0.3641



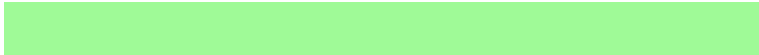
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

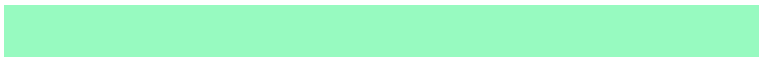
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9798, 0.3116, 0.4494



78.9977, 0.3107, 0.4794



78.7700, 0.2860, 0.3988



19.3763, 0.3128, 0.3534



36.3701, 0.3018, 0.5986



3.3908, 0.3058, 0.5954

Inverse Universe

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



47.9059, 0.3105, 0.2291



43.3159, 0.3096, 0.2093



47.0429, 0.3541, 0.2688



17.4490, 0.3125, 0.3055



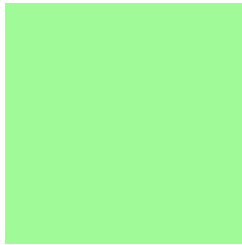
12.5950, 0.3006, 0.1430



1.1870, 0.3032, 0.1444

Previews

White Background



This preview shows how the Yxy color 77.9765, 0.3116, 0.4494 looks on a white background.

Color Contrast Check

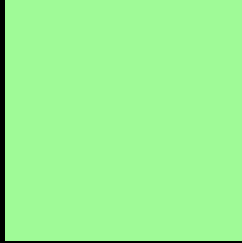
Large Text (above 18pt) WCAG AA × Fail

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 77.9765, 0.3116, 0.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

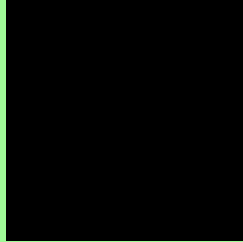
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9765, 0.3116, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 77.9765, 0.3116, 0.4494.

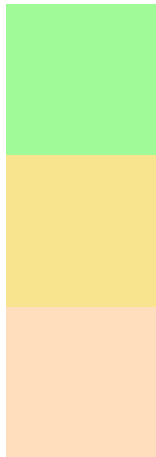


This preview shows how white text looks on a background with the Yxy color 77.9765, 0.3116, 0.4494.

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

77.9765, 0.3116, 0.4494

Protanopia

76.8476, 0.3850, 0.4163

Deuteranopia

77.1767, 0.3598, 0.3628



Tritanopia

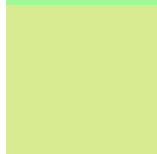
77.7335, 0.2690, 0.3092

Trichromacy



Original Color

77.9765, 0.3116, 0.4494



Protanomaly

76.0599, 0.3560, 0.4289



Deuteranomaly

76.0240, 0.3410, 0.3921



Tritanomaly

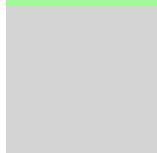
77.5127, 0.2850, 0.3579

Monochromacy



Original Color

77.9765, 0.3116, 0.4494



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.4479, 0.3128, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9765, 0.3116, 0.4494 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(159, 250, 151)` looks like.

```
.text, #text, p{  
    color:rgb(159, 250, 151)  
}
```

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(159, 250, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 250, 151) }
```

Border

The CSS property to change the border of an element to Yxy 77.9765, 0.3116, 0.4494 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(159, 250, 151) }
```

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

```
.border{ border-color:rgb(159, 250, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 250, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 250, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 250, 151);  
box-shadow:4px 4px 4px 4px rgb(159, 250,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9765, 0.3116, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 250, 151) }
```

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

```
.background{ background-color: rgb(159,  
250, 151) }
```

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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