

Converting Colors

$Yxy(79.7314, 0.3015, 0.4537)$

Have a look what the booklet for
Yxy(79.7314, 0.3015, 0.4537)
contains.

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Color

Yxy(79.7824, 0.3016, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	90FF9A
RGB	144, 255, 154
RGB Percent	56%, 100%, 60%
CMY	0.4353, 0.0000, 0.3961
CMYK	0.44, 0.00, 0.40, 0.00
HSL	125°, 100%, 78%
HSV	125°, 44%, 100%
XYZ	53.0944, 79.7824, 43.1656
YIQ	210.2970, -33.7350, -54.9430

Conversions

Conversions Part 2

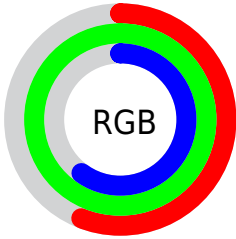
Format	Color
RYB	144, 246, 255
Decimal	9502618
CIELab	91.59, -51.95, 38.57
CIElCh	92, 64.704, 143.407
Yxy	79.7824, 0.3016, 0.4532
Android (android.graphics.Color)	4287692698 (0xFF90FF9A)
YUV	210.2970, -27.7544, -58.1425
Hunter-Lab	89.3210, -50.2074, 33.8720

Details

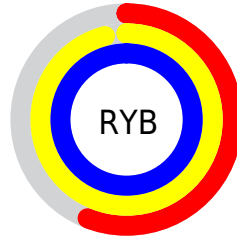
The Yxy color **79.7824, 0.3016, 0.4532** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.8037, 0.3262, 0.2303**, and the grayscale version is **64.8571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6800, 0.3061, 0.3790**, and **42.8505, 0.2965, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **77.0400, 0.2995, 0.4870**, and if you desaturate by 10%, it is **83.1936, 0.3040, 0.4202**.

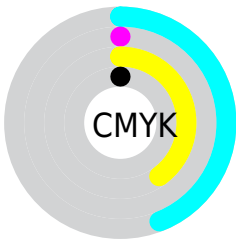
Distribution



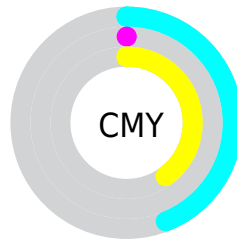
- Red (56%)
- Green (100%)
- Blue (60%)



- Red (56%)
- Yellow (96%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7824, 0.3016, 0.4532 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 79.7824, 0.3016, 0.4532 by changing the saturation by 10% instead.


 79.7824, 0.3016,
0.4532

 79.7824, 0.3016,
0.4532


494.1992, 0.3091,
0.3927

 59.5393, 0.2993,
0.4676


 133.0598, 0.3047,
0.4317

 43.0474, 0.2961,
0.4857


 166.8628, 0.3057,
0.4235

 29.9223, 0.2915,
0.5089


205.9546, 0.3066,
0.4165

 19.7796, 0.2845,
0.5396

250.7196, 0.3073,
0.4104

 12.2350, 0.2734,
0.5818

301.5422, 0.3078,
0.4052

 6.9039, 0.2541,
0.6420


358.8067, 0.3083,


 3.4021, 0.2296,


0.4005


0.7704

422.8976, 0.3087,
0.3964


 1.3451, 0.0000,
1.0000


 0.1757, 0.0000,
1.0000


 79.7824, 0.3016,
0.4532

 79.7824, 0.3016,
0.4532


 77.0400, 0.2995,
0.4870


 83.1936, 0.3040,
0.4202


 74.9213, 0.2980,
0.5198

 87.3124, 0.3066,
0.3895

 73.3772, 0.2973,
0.5491

 92.1761, 0.3093,
0.3616

 72.3510, 0.2973,
0.5727

 97.8189, 0.3118,
0.3369

■ 71.7743, 0.2981,
0.5889

100.0000, 0.3127,
0.3290

■ 71.5815, 0.2987,
0.5954

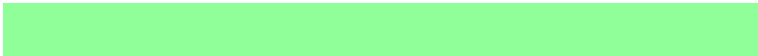
Harmonies

Analogous

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



79.7824, 0.3737, 0.4666



79.7824, 0.3016, 0.4532



79.7824, 0.2363, 0.3890

Triad

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



79.7824, 0.3016, 0.4532



79.7824, 0.1984, 0.2191



79.7824, 0.4458, 0.3268

Complementary

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



79.7824, 0.3016, 0.4532



47.8037, 0.3262, 0.2303

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.



79.7824, 0.3867, 0.2756



79.7824, 0.3016, 0.4532



79.7824, 0.2417, 0.2163

Square

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



79.7824, 0.3016, 0.4532



79.7824, 0.1824, 0.2490



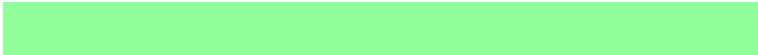
79.7824, 0.3093, 0.2366



79.7824, 0.4621, 0.3825

Rectangle

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



79.7824, 0.3016, 0.4532



79.7824, 0.2053, 0.3346



79.7824, 0.3093, 0.2366



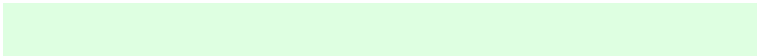
79.7824, 0.4300, 0.3088

Sweetspot

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



79.7828, 0.3016, 0.4532



92.4529, 0.3094, 0.3603



93.0817, 0.3713, 0.4391



19.5429, 0.3088, 0.3661



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.



79.7828, 0.3016, 0.4532



77.4170, 0.2998, 0.4819



82.0415, 0.2749, 0.3839



20.1947, 0.3103, 0.3513



37.4118, 0.2984, 0.5941



3.6512, 0.2950, 0.5820

Inverse Universe

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



47.8037, 0.3262, 0.2303



41.7535, 0.3292, 0.2133



44.9385, 0.3788, 0.2812



18.2706, 0.3152, 0.3077



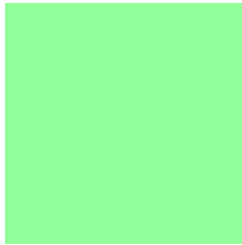
14.1672, 0.3450, 0.1674



1.3873, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 79.7824, 0.3016, 0.4532 looks on a white background.

Color Contrast Check

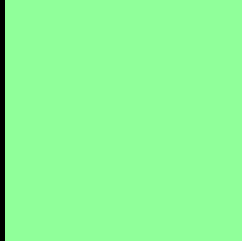
Large Text (above 18pt) WCAG AA × Fail

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 79.7824, 0.3016, 0.4532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

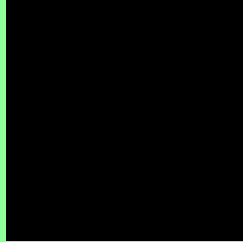
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7824, 0.3016, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 79.7824, 0.3016, 0.4532.

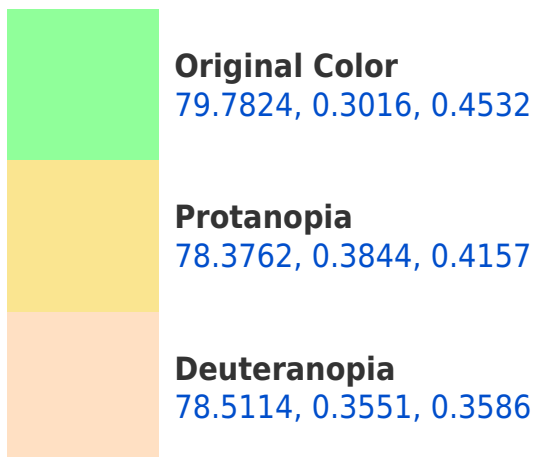


This preview shows how white text looks on a background with the Yxy color 79.7824, 0.3016, 0.4532.

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





Tritanopia

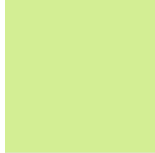
79.0203, 0.2698, 0.3114

Trichromacy



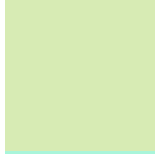
Original Color

79.7824, 0.3016, 0.4532



Protanomaly

77.1361, 0.3497, 0.4297



Deuteranomaly

77.1590, 0.3336, 0.3902



Tritanomaly

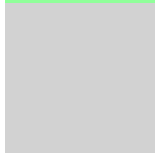
78.8018, 0.2819, 0.3602

Monochromacy



Original Color

79.7824, 0.3016, 0.4532



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5495, 0.3080, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7824, 0.3016, 0.4532 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(144, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 154)  
}
```

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(144, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 79.7824, 0.3016, 0.4532 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(144, 255, 154) }
```

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

```
.border{ border-color:rgb(144, 255, 154) }
```

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

Here you see how a box with a 4 pixel rgb(144, 255, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7824, 0.3016, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 154) }
```

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

```
.background{ background-color: rgb(144,  
255, 154) }
```

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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