

Converting Colors

$Y_{xy}(104.6546, 0.3133, 0.5213)$

Have a look what the booklet for
Yxy(104.6546, 0.3133, 0.5213)
contains.

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Color

Yxy(78.3333, 0.3169, 0.4998)

Conversions

Conversions Part 1

Format	Color
Hex	8CFF73
RGB	140, 255, 115
RGB Percent	55%, 100%, 45%
CMY	0.4511, 0.0000, 0.5489
CMYK	0.45, 0.00, 0.55, 0.00
HSL	109°, 100%, 73%
HSV	109°, 55%, 100%
XYZ	49.6675, 78.3333, 28.7285
YIQ	204.6550, -23.6000, -67.9200

Conversions

Conversions Part 2

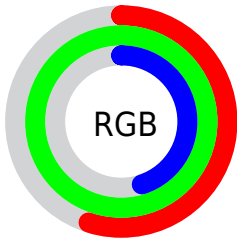
Format	Color
RYB	115, 255, 230
Decimal	9240435
CIELab	90.93, -58.18, 56.09
CIElCh	91, 80.815, 136.050
Yxy	78.3333, 0.3169, 0.4998
Android (android.graphics.Color)	4287430515 (0xFF8CFF73)
YUV	204.6550, -44.1999, -56.7024
Hunter-Lab	88.5061, -54.7157, 42.7091

Details

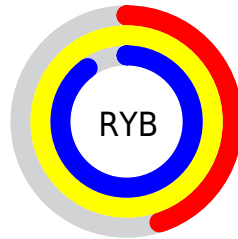
The Yxy color **78.3333, 0.3169, 0.4998** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **36.3191, 0.2964, 0.1894**, and the grayscale version is **61.1133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5644, 0.3257, 0.4236**, and **41.9317, 0.3113, 0.5431** is the 20% darker color. If you saturate the color by 10%, you get **76.1734, 0.3155, 0.5317**, and if you desaturate by 10%, it is **80.9987, 0.3174, 0.4656**.

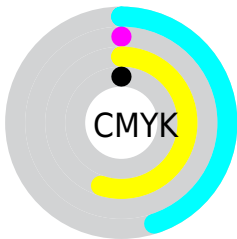
Distribution



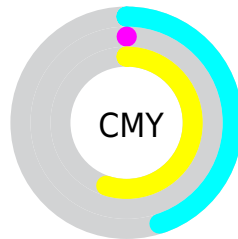
- Red (55%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3333, 0.3169, 0.4998 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 78.3333, 0.3169, 0.4998 by changing the saturation by 10% instead.


 78.3333, 0.3169,
0.4998


 78.3333, 0.3169,
0.4998


489.2980, 0.3198,
0.4164

 58.3478, 0.3148,
0.5194

 131.0199, 0.3190,
0.4703

 42.0883, 0.3114,
0.5436


 164.4897, 0.3195,
0.4590

 29.1705, 0.3058,
0.5740


 203.2232, 0.3198,
0.4493

 19.2098, 0.2964,
0.6130

247.6046, 0.3200,
0.4409

 11.8220, 0.2799,
0.6632

298.0184, 0.3200,
0.4336

 6.6226, 0.2557,
0.7443


354.8490, 0.3200,


 3.2272, 0.1951,


0.4272


0.8049


418.4807, 0.3199,
0.4215

 1.2515, 0.0000,
1.0000

 0.1032, 0.0000,
1.0000


 78.3333, 0.3169,
0.4998

 78.3333, 0.3169,
0.4998


 76.1734, 0.3155,
0.5317

 80.9987, 0.3174,
0.4656

 74.4907, 0.3132,
0.5590

 84.2052, 0.3172,
0.4314


 73.2457, 0.3101,
0.5795

 87.9788, 0.3163,
0.3987

 72.3943, 0.3065,
0.5922

 92.3456, 0.3151,
0.3684

 72.0881, 0.3048,
0.5962

 97.3299, 0.3135,
0.3412

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.3333, 0.4034, 0.4926



78.3333, 0.3169, 0.4998



78.3333, 0.2339, 0.4307

Triad

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



78.3333, 0.3169, 0.4998



78.3333, 0.1674, 0.2005



78.3333, 0.4658, 0.3072

Complementary

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



78.3333, 0.3169, 0.4998



36.3191, 0.2964, 0.1894

Split Complementary

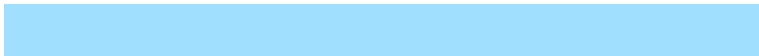
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3333, 0.3812, 0.2503



78.3333, 0.3169, 0.4998



78.3333, 0.2098, 0.1915

Square

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



78.3333, 0.3169, 0.4998



78.3333, 0.1562, 0.2425



78.3333, 0.2844, 0.2095



78.3333, 0.4986, 0.3717

Rectangle

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



78.3333, 0.3169, 0.4998



78.3333, 0.1923, 0.3595



78.3333, 0.2844, 0.2095



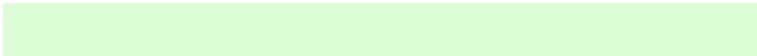
78.3333, 0.4418, 0.2870

Sweetspot

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



78.3316, 0.3169, 0.4998



91.8316, 0.3152, 0.3717



78.7244, 0.4052, 0.4403



19.4557, 0.3155, 0.3777



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.



78.3316, 0.3169, 0.4998



75.9642, 0.3153, 0.5350



77.6820, 0.2853, 0.4512



20.3237, 0.3143, 0.3534



37.7123, 0.3056, 0.5956



3.7123, 0.3121, 0.5904

Inverse Universe

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



36.3191, 0.2964, 0.1894



29.9960, 0.2914, 0.1665



38.2143, 0.3626, 0.2345



18.1270, 0.3109, 0.3054



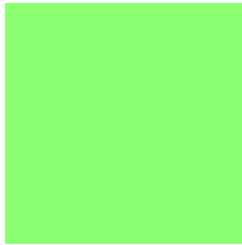
10.9571, 0.2761, 0.1295



1.1077, 0.2815, 0.1324

Previews

White Background



This preview shows how the Yxy color 78.3333, 0.3169, 0.4998 looks on a white background.

Color Contrast Check

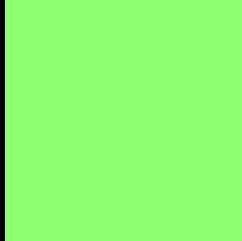
Large Text (above 18pt) WCAG AA × Fail

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 78.3333, 0.3169, 0.4998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

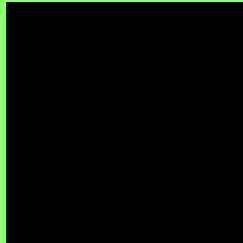
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

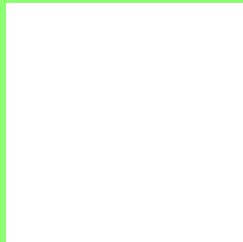
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3333, 0.3169, 0.4998

Background



This preview shows how black text looks on a background with the Yxy color 78.3333, 0.3169, 0.4998.



This preview shows how white text looks on a background with the Yxy color 78.3333, 0.3169, 0.4998.

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

78.3333, 0.3169, 0.4998

Protanopia

77.2229, 0.4085, 0.4476

Deuteranopia

76.9632, 0.3634, 0.3679



Tritanopia

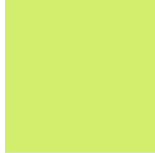
77.7162, 0.2664, 0.3102

Trichromacy



Original Color

78.3333, 0.3169, 0.4998



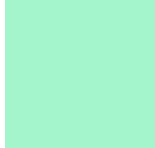
Protanomaly

76.1021, 0.3709, 0.4689



Deuteranomaly

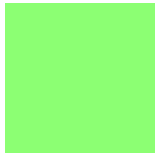
75.4950, 0.3456, 0.4133



Tritanomaly

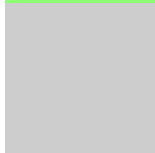
76.9535, 0.2865, 0.3765

Monochromacy



Original Color

78.3333, 0.3169, 0.4998



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.5777, 0.3160, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3333, 0.3169, 0.4998 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(140, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 115)  
}
```

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(140, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 78.3333, 0.3169, 0.4998 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(140, 255, 115) }
```

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

```
.border{ border-color:rgb(140, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3333, 0.3169, 0.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 115) }
```

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

```
.background{ background-color: rgb(140,  
255, 115) }
```

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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