

Converting Colors

$Y_{xy}(79.6220, 0.3251, 0.4961)$

Have a look what the booklet for
Yxy(79.6220, 0.3251, 0.4961)
contains.

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Color

Yxy(79.6278, 0.3248, 0.4957)

Conversions

Conversions Part 1

Format	Color
Hex	9AFF73
RGB	154, 255, 115
RGB Percent	60%, 100%, 45%
CMY	0.3962, 0.0000, 0.5491
CMYK	0.40, 0.00, 0.55, 0.00
HSL	103°, 100%, 73%
HSV	103°, 55%, 100%
XYZ	52.1749, 79.6278, 28.8344
YIQ	208.8410, -15.2560, -64.9520

Conversions

Conversions Part 2

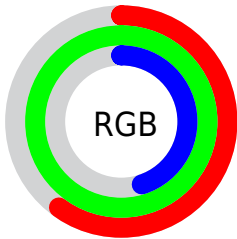
Format	Color
RYB	115, 255, 216
Decimal	10157939
CIELab	91.52, -54.04, 56.94
CIElCh	92, 78.503, 133.503
Yxy	79.6278, 0.3248, 0.4957
Android (android.graphics.Color)	4288348019 (0xFF9AFF73)
YUV	208.8410, -46.2636, -48.0956
Hunter-Lab	89.2344, -51.7921, 43.3057

Details

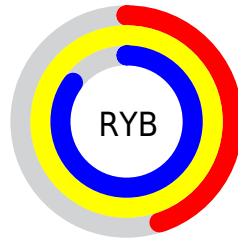
The Yxy color **79.6278, 0.3248, 0.4957** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.0811, 0.2838, 0.1842**, and the grayscale version is **63.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5684, 0.3348, 0.4209**, and **42.7023, 0.3209, 0.5369** is the 20% darker color. If you saturate the color by 10%, you get **77.4471, 0.3240, 0.5265**, and if you desaturate by 10%, it is **82.2398, 0.3243, 0.4628**.

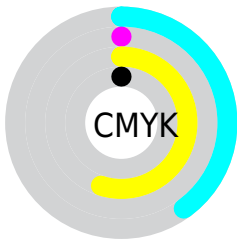
Distribution



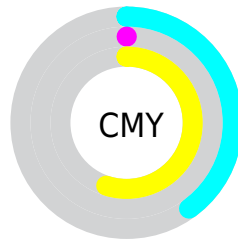
- Red (60%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6278, 0.3248, 0.4957 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 79.6278, 0.3248, 0.4957 by changing the saturation by 10% instead.


 79.6278, 0.3248,
0.4957


 79.6278, 0.3248,
0.4957


493.6776, 0.3240,
0.4150

 59.4121, 0.3236,
0.5144


 132.8423, 0.3256,
0.4673

 42.9450, 0.3213,
0.5375


 166.6099, 0.3256,
0.4564

 29.8419, 0.3171,
0.5663


 205.6637, 0.3255,
0.4470

 19.7186, 0.3095,
0.6030

250.3879, 0.3252,
0.4389

 12.1907, 0.2954,
0.6499

301.1670, 0.3250,
0.4318

 6.8737, 0.2749,
0.7251


358.3854, 0.3246,


 3.3832, 0.2191,

0.4255

0.7809

422.4275, 0.3243,
0.4200

 1.3349, 0.0000,
1.0000


 0.1680, 0.0000,
1.0000


 79.6278, 0.3248,
0.4957


 79.6278, 0.3248,
0.4957


 77.4471, 0.3240,
0.5265


 82.2398, 0.3243,
0.4628


 75.6831, 0.3218,
0.5530


 85.3188, 0.3227,
0.4297

 74.3022, 0.3182,
0.5734

 88.8828, 0.3203,
0.3979

 73.2701, 0.3136,
0.5866

 92.9526, 0.3175,
0.3682

 72.8591, 0.3112,
0.5911

 97.5476, 0.3143,
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.



79.6278, 0.4080, 0.4846



79.6278, 0.3248, 0.4957



79.6278, 0.2428, 0.4348

Triad

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



79.6278, 0.3248, 0.4957



79.6278, 0.1692, 0.2063



79.6278, 0.4553, 0.3032

Complementary

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



79.6278, 0.3248, 0.4957



34.0811, 0.2838, 0.1842

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.



79.6278, 0.3710, 0.2485



79.6278, 0.3248, 0.4957



79.6278, 0.2081, 0.1949

Square

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



79.6278, 0.3248, 0.4957



79.6278, 0.1609, 0.2508



79.6278, 0.2783, 0.2103



79.6278, 0.4924, 0.3659

Rectangle

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



79.6278, 0.3248, 0.4957



79.6278, 0.2004, 0.3675



79.6278, 0.2783, 0.2103



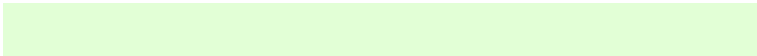
79.6278, 0.4308, 0.2837

Sweetspot

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



79.6239, 0.3248, 0.4957



92.4826, 0.3178, 0.3713



71.2665, 0.4131, 0.4285



19.6092, 0.3184, 0.3773



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.



79.6239, 0.3248, 0.4957



77.2347, 0.3238, 0.5296



77.2183, 0.2916, 0.4695



20.4128, 0.3158, 0.3533



38.1341, 0.3122, 0.5903



3.7648, 0.3202, 0.5840

Inverse Universe

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



34.0811, 0.2838, 0.1842



27.4195, 0.2756, 0.1591



38.9364, 0.3478, 0.2223



18.0313, 0.3093, 0.3053



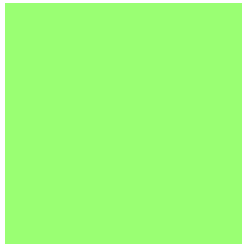
9.1768, 0.2513, 0.1158



0.9482, 0.2595, 0.1203

Previews

White Background



This preview shows how the Yxy color 79.6278, 0.3248, 0.4957 looks on a white background.

Color Contrast Check

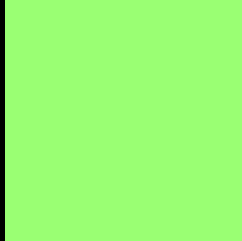
Large Text (above 18pt) WCAG AA × Fail

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 79.6278, 0.3248, 0.4957 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

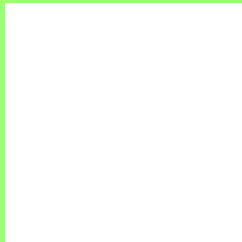
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.6278, 0.3248, 0.4957

Background



This preview shows how black text looks on a background with the Yxy color 79.6278, 0.3248, 0.4957.



This preview shows how white text looks on a background with the Yxy color 79.6278, 0.3248, 0.4957.

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

79.6278, 0.3248, 0.4957

Protanopia

78.7260, 0.4084, 0.4476

Deuteranopia

78.2454, 0.3593, 0.3648



Tritanopia

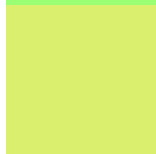
78.9339, 0.2718, 0.3105

Trichromacy



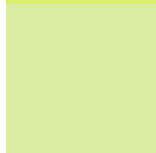
Original Color

79.6278, 0.3248, 0.4957



Protanomaly

77.7642, 0.3752, 0.4662



Deuteranomaly

76.9307, 0.3471, 0.4099



Tritanomaly

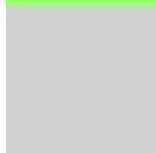
78.1750, 0.2928, 0.3756

Monochromacy



Original Color

79.6278, 0.3248, 0.4957



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3067, 0.3195, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6278, 0.3248, 0.4957 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(154, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(154, 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(154, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 79.6278, 0.3248, 0.4957 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(154, 255, 115) }
```

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

```
.border{ border-color:rgb(154, 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(154, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6278, 0.3248, 0.4957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 115) }
```

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

```
.background{ background-color: rgb(154,  
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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