

Converting Colors

$Y_{xy}(79.4241, 0.3225, 0.4944)$

Have a look what the booklet for
Yxy(79.4241, 0.3225, 0.4944)
contains.

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Color

Yxy(79.3837, 0.3222, 0.4945)

Conversions

Conversions Part 1

Format	Color
Hex	97FF75
RGB	151, 255, 117
RGB Percent	59%, 100%, 46%
CMY	0.4081, 0.0000, 0.5412
CMYK	0.41, 0.00, 0.54, 0.00
HSL	105°, 100%, 73%
HSV	105°, 54%, 100%
XYZ	51.7238, 79.3837, 29.4257
YIQ	208.1720, -17.6860, -64.9660

Conversions

Conversions Part 2

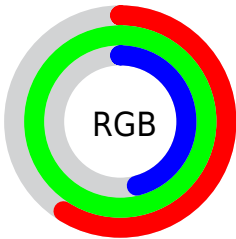
Format	Color
RYB	117, 255, 221
Decimal	9961333
CIELab	91.41, -54.75, 55.88
CIElCh	91, 78.231, 134.415
Yxy	79.3837, 0.3222, 0.4945
Android (android.graphics.Color)	4288151413 (0xFF97FF75)
YUV	208.1720, -44.9478, -50.1398
Hunter-Lab	89.0975, -52.2960, 42.7869

Details

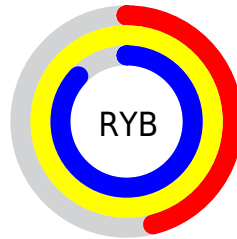
The Yxy color **79.3837, 0.3222, 0.4945** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **35.3266, 0.2884, 0.1878**, and the grayscale version is **63.4853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2002, 0.3317, 0.4193**, and **42.5667, 0.3182, 0.5359** is the 20% darker color. If you saturate the color by 10%, you get **77.1655, 0.3213, 0.5259**, and if you desaturate by 10%, it is **82.0522, 0.3220, 0.4611**.

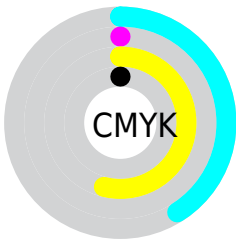
Distribution



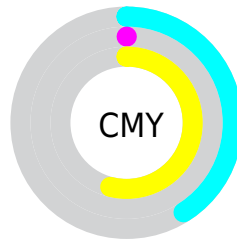
- Red (59%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3837, 0.3222, 0.4945 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 79.3837, 0.3222, 0.4945 by changing the saturation by 10% instead.


 79.3837, 0.3222,
0.4945


 79.3837, 0.3222,
0.4945


492.8534, 0.3225,
0.4142


 59.2113, 0.3208,
0.5132

 132.4989, 0.3234,
0.4662

 42.7833, 0.3182,
0.5363


 166.2105, 0.3235,
0.4553

 29.7151, 0.3138,
0.5653


 205.2040, 0.3235,
0.4460

 19.6224, 0.3060,
0.6023

249.8638, 0.3234,
0.4379

 12.1209, 0.2917,
0.6499

300.5742, 0.3232,
0.4308

 6.8261, 0.2716,
0.7284


357.7197, 0.3230,


 3.3536, 0.2150,

0.4246


0.7850


421.6846, 0.3227,
0.4191


 1.3190, 0.0000,
1.0000


 0.1558, 0.0000,
1.0000


 79.3837, 0.3222,
0.4945


 79.3837, 0.3222,
0.4945


 77.1655, 0.3213,
0.5259


 82.0522, 0.3220,
0.4611


 75.3890, 0.3191,
0.5532

 85.2163, 0.3208,
0.4277


 74.0163, 0.3157,
0.5742

 88.8931, 0.3188,
0.3957

 73.0107, 0.3114,
0.5879

 93.1046, 0.3165,
0.3661

 72.5667, 0.3088,
0.5930

 97.8716, 0.3138,
0.3392

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.



79.3837, 0.4056, 0.4854



79.3837, 0.3222, 0.4945



79.3837, 0.2408, 0.4317

Triad

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



79.3837, 0.3222, 0.4945



79.3837, 0.1702, 0.2058



79.3837, 0.4569, 0.3051

Complementary

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



79.3837, 0.3222, 0.4945



35.3266, 0.2884, 0.1878

Split Complementary

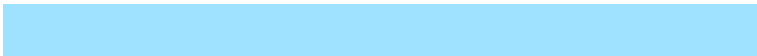
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.3837, 0.3738, 0.2502



79.3837, 0.3222, 0.4945



79.3837, 0.2100, 0.1952

Square

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



79.3837, 0.3222, 0.4945



79.3837, 0.1610, 0.2491



79.3837, 0.2809, 0.2114



79.3837, 0.4922, 0.3679

Rectangle

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



79.3837, 0.3222, 0.4945



79.3837, 0.1991, 0.3643



79.3837, 0.2809, 0.2114



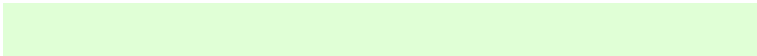
79.3837, 0.4330, 0.2855

Sweetspot

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



79.3771, 0.3222, 0.4945



92.2695, 0.3169, 0.3714



73.9940, 0.4090, 0.4312



19.5589, 0.3175, 0.3774



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.



79.3771, 0.3222, 0.4945



76.9914, 0.3211, 0.5285



77.5528, 0.2897, 0.4612



20.3838, 0.3153, 0.3533



37.9756, 0.3097, 0.5923



3.7460, 0.3173, 0.5863

Inverse Universe

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



35.3266, 0.2884, 0.1878



28.7400, 0.2814, 0.1635



39.1771, 0.3519, 0.2275



18.0623, 0.3098, 0.3053



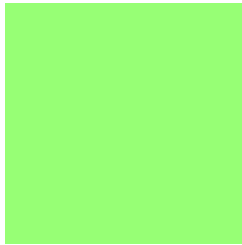
9.7225, 0.2592, 0.1202



0.9976, 0.2666, 0.1242

Previews

White Background



This preview shows how the Yxy color 79.3837, 0.3222, 0.4945 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 79.3837, 0.3222, 0.4945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

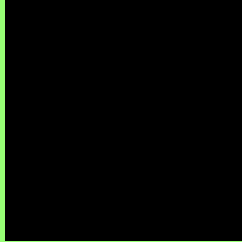
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

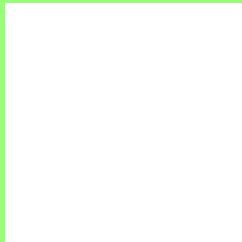
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3837, 0.3222, 0.4945

Background



This preview shows how black text looks on a background with the Yxy color 79.3837, 0.3222, 0.4945.



This preview shows how white text looks on a background with the Yxy color 79.3837, 0.3222, 0.4945.

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

79.3837, 0.3222, 0.4945

Protanopia

78.2136, 0.4079, 0.4453

Deuteranopia

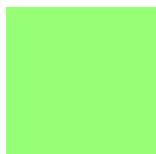
78.2021, 0.3600, 0.3658



Tritanopia

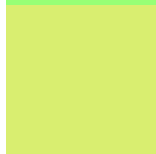
78.6834, 0.2707, 0.3104

Trichromacy



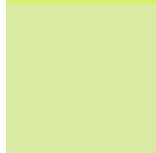
Original Color

79.3837, 0.3222, 0.4945



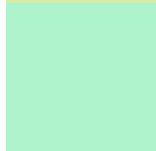
Protanomaly

77.0706, 0.3739, 0.4640



Deuteranomaly

76.7770, 0.3464, 0.4101



Tritanomaly

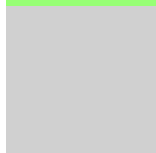
77.9934, 0.2911, 0.3746

Monochromacy



Original Color

79.3837, 0.3222, 0.4945



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5104, 0.3182, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3837, 0.3222, 0.4945 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(151, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 117)  
}
```

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(151, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 79.3837, 0.3222, 0.4945 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(151, 255, 117) }
```

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

```
.border{ border-color:rgb(151, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 255, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 255, 117); box-shadow:4px 4px 4px 4px rgb(151, 255, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3837, 0.3222, 0.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 117) }
```

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

```
.background{ background-color: rgb(151,  
255, 117) }
```

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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