

Converting Colors

$Y_{xy}(121.4027, 0.3095, 0.5519)$

Have a look what the booklet for
Yxy(121.4027, 0.3095, 0.5519)
contains.

Yxy(76.3212, 0.3145, 0.5272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.3212, 0.3145, 0.5272)

Conversions

Conversions Part 1

Format	Color
Hex	78FF5E
RGB	120, 255, 94
RGB Percent	47%, 100%, 37%
CMY	0.5293, 0.0000, 0.6314
CMYK	0.53, 0.00, 0.63, 0.00
HSL	110°, 100%, 68%
HSV	110°, 63%, 100%
XYZ	45.5292, 76.3212, 22.9166
YIQ	196.2810, -28.7790, -78.6910

Conversions

Conversions Part 2

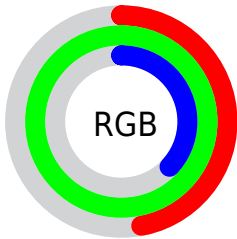
Format	Color
RYB	94, 255, 229
Decimal	7929694
CIELab	90.01, -65.71, 63.81
CIElCh	90, 91.593, 135.843
Yxy	76.3212, 0.3145, 0.5272
Android (android.graphics.Color)	4286119774 (0xFF78FF5E)
YUV	196.2810, -50.4245, -66.8984
Hunter-Lab	87.3620, -59.8571, 45.6006

Details

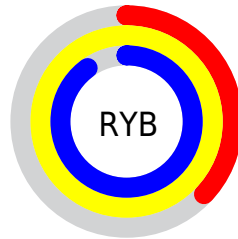
The Yxy color **76.3212, 0.3145, 0.5272** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **31.8718, 0.2952, 0.1731**, and the grayscale version is **55.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6671, 0.3255, 0.4497**, and **40.7261, 0.3058, 0.5774** is the 20% darker color. If you saturate the color by 10%, you get **74.5771, 0.3123, 0.5556**, and if you desaturate by 10%, it is **78.5625, 0.3158, 0.4945**.

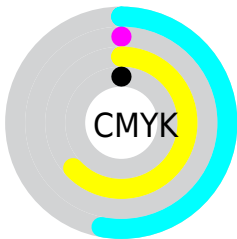
Distribution



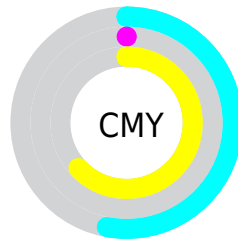
- Red (47%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (90%)



- Cyan (53%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3212, 0.3145, 0.5272 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 76.3212, 0.3145, 0.5272 by changing the saturation by 10% instead.


 76.3212, 0.3145,
0.5272


 76.3212, 0.3145,
0.5272


482.4465, 0.3204,
0.4298

 56.6959, 0.3111,
0.5499

 128.1808, 0.3181,
0.4928

 40.7612, 0.3059,
0.5778


 161.1840, 0.3191,
0.4796

 28.1325, 0.2974,
0.6125


 199.4152, 0.3197,
0.4682

 18.4256, 0.2835,
0.6559

 243.2590, 0.3201,
0.4584

 11.2560, 0.2620,
0.7150

293.0995, 0.3203,
0.4499

 6.2393, 0.2213,
0.7787


349.3214, 0.3204,


 2.9911, 0.1435,


0.4424


0.8565


412.3089, 0.3204,
0.4357


 1.1271, 0.0000,
1.0000


 0.0009, 0.0000,
1.0000


 76.3212, 0.3145,
0.5272


 76.3212, 0.3145,
0.5272

 74.5771, 0.3123,
0.5556

 78.5625, 0.3158,
0.4945


 73.2842, 0.3095,
0.5774

 81.3278, 0.3164,
0.4600

 72.4004, 0.3062,
0.5913

 84.6507, 0.3162,
0.4258

 71.9968, 0.3041,
0.5968

 88.5600, 0.3155,
0.3933

93.0822, 0.3145,
0.3635

98.2423, 0.3132,
0.3368

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.



76.3212, 0.4108, 0.5118



76.3212, 0.3145, 0.5272



76.3212, 0.2226, 0.4479

Triad

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



76.3212, 0.3145, 0.5272



76.3212, 0.1517, 0.1855



76.3212, 0.4869, 0.3018

Complementary

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



76.3212, 0.3145, 0.5272



31.8718, 0.2952, 0.1731

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.



76.3212, 0.3893, 0.2404



76.3212, 0.3145, 0.5272



76.3212, 0.1970, 0.1767

Square

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



76.3212, 0.3145, 0.5272



76.3212, 0.1394, 0.2303



76.3212, 0.2791, 0.1962



76.3212, 0.5224, 0.3713

Rectangle

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



76.3212, 0.3145, 0.5272



76.3212, 0.1772, 0.3634



76.3212, 0.2791, 0.1962



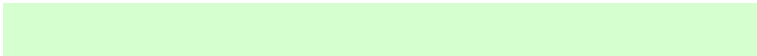
76.3212, 0.4593, 0.2801

Sweetspot

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



76.3237, 0.3145, 0.5272



90.3579, 0.3151, 0.3806



77.6450, 0.4167, 0.4553



19.0722, 0.3154, 0.3893



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.



76.3237, 0.3145, 0.5272



74.1633, 0.3116, 0.5626



76.0261, 0.2823, 0.4697



20.3092, 0.3140, 0.3534



37.6612, 0.3047, 0.5962



3.7052, 0.3109, 0.5913

Inverse Universe

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



31.8718, 0.2952, 0.1731



26.3689, 0.2898, 0.1517



33.4951, 0.3764, 0.2259



18.1428, 0.3112, 0.3054



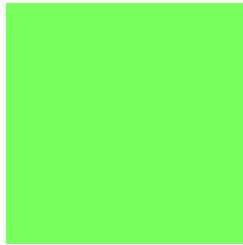
11.2776, 0.2802, 0.1317



1.1360, 0.2851, 0.1344

Previews

White Background



This preview shows how the Yxy color 76.3212, 0.3145, 0.5272 looks on a white background.

Color Contrast Check

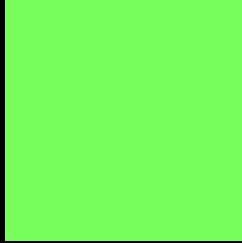
Large Text (above 18pt) WCAG AA × Fail

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 76.3212, 0.3145, 0.5272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

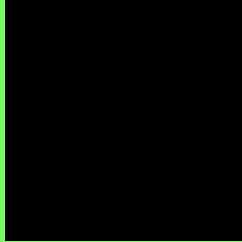
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

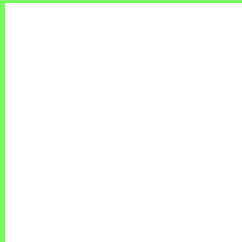
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3212, 0.3145, 0.5272

Background



This preview shows how black text looks on a background with the Yxy color 76.3212, 0.3145, 0.5272.

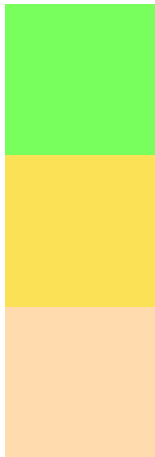


This preview shows how white text looks on a background with the Yxy color 76.3212, 0.3145, 0.5272.

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

76.3212, 0.3145, 0.5272

Protanopia

75.0155, 0.4197, 0.4607

Deuteranopia

74.9402, 0.3722, 0.3763



Tritanopia

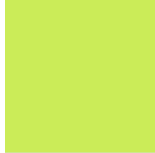
75.4698, 0.2586, 0.3086

Trichromacy



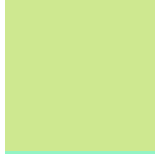
Original Color

76.3212, 0.3145, 0.5272



Protanomaly

73.3920, 0.3754, 0.4886



Deuteranomaly

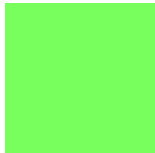
72.8487, 0.3501, 0.4298



Tritanomaly

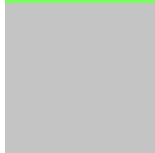
74.8899, 0.2815, 0.3879

Monochromacy



Original Color

76.3212, 0.3145, 0.5272



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4537, 0.3155, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3212, 0.3145, 0.5272 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(120, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 94)  
}
```

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(120, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 94) }
```

Border

The CSS property to change the border of an element to Yxy 76.3212, 0.3145, 0.5272 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(120, 255, 94) }
```

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

```
.border{ border-color:rgb(120, 255, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3212, 0.3145, 0.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 94) }
```

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

```
.background{ background-color: rgb(120,  
255, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor