

Converting Colors

Yxy(80.2419, 0.3233, 0.4850)

Have a look what the booklet for
Yxy(80.2419, 0.3233, 0.4850)
contains.

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Color

Yxy(80.2443, 0.3233, 0.4849)

Conversions

Conversions Part 1

Format	Color
Hex	9EFF7C
RGB	158, 255, 124
RGB Percent	62%, 100%, 49%
CMY	0.3803, 0.0000, 0.5137
CMYK	0.38, 0.00, 0.51, 0.00
HSL	104°, 100%, 74%
HSV	104°, 51%, 100%
XYZ	53.5017, 80.2443, 31.7403
YIQ	211.0630, -15.7610, -61.3050

Conversions

Conversions Part 2

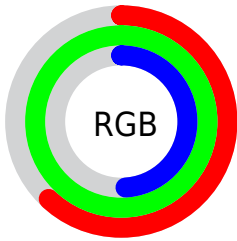
Format	Color
RYB	124, 255, 221
Decimal	10420092
CIELab	91.79, -51.79, 53.24
CIElCh	92, 74.277, 134.210
Yxy	80.2443, 0.3233, 0.4849
Android (android.graphics.Color)	4288610172 (0xFF9EFF7C)
YUV	211.0630, -42.9221, -46.5363
Hunter-Lab	89.5792, -50.1534, 41.6974

Details

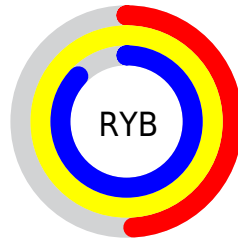
The Yxy color **80.2443, 0.3233, 0.4849** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **37.0092, 0.2885, 0.1938**, and the grayscale version is **65.4863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5264, 0.3324, 0.4104**, and **43.5524, 0.3199, 0.5241** is the 20% darker color. If you saturate the color by 10%, you get **77.9125, 0.3228, 0.5169**, and if you desaturate by 10%, it is **83.0415, 0.3226, 0.4515**.

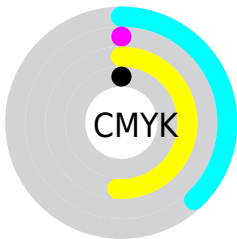
Distribution



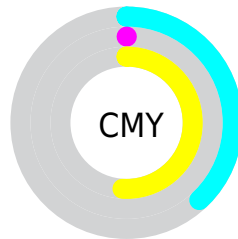
- Red (62%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2443, 0.3233, 0.4849 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 80.2443, 0.3233, 0.4849 by changing the saturation by 10% instead.


 80.2443, 0.3233,
0.4849


 80.2443, 0.3233,
0.4849


495.7558, 0.3225,
0.4095


 59.9194, 0.3223,
0.5025


 133.7092, 0.3240,
0.4584

 43.3537, 0.3204,
0.5242


 167.6179, 0.3239,
0.4481

 30.1627, 0.3169,
0.5515


 206.8234, 0.3238,
0.4394

 19.9621, 0.3105,
0.5865

251.7100, 0.3236,
0.4318

 12.3675, 0.2985,
0.6320

302.6622, 0.3234,
0.4252

 6.9945, 0.2819,
0.7070


360.0642, 0.3231,


 3.4587, 0.2317,


0.4193


0.7683


424.3006, 0.3228,
0.4141


 1.3756, 0.0000,
1.0000


 0.1986, 0.0000,
1.0000


 80.2443, 0.3233,
0.4849


 80.2443, 0.3233,
0.4849


 77.9125, 0.3228,
0.5169

 83.0415, 0.3226,
0.4515


 76.0128, 0.3210,
0.5454

 86.3216, 0.3210,
0.4185

 74.5181, 0.3179,
0.5682

 90.1094, 0.3187,
0.3872

 73.3943, 0.3137,
0.5840

 94.4259, 0.3160,
0.3584

 72.6853, 0.3098,
0.5922

 99.2908, 0.3131,
0.3323

100.0000, 0.3127,
0.3290

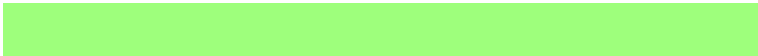
Harmonies

Analogous

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



80.2443, 0.4027, 0.4777



80.2443, 0.3233, 0.4849



80.2443, 0.2454, 0.4261

Triad

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



80.2443, 0.3233, 0.4849



80.2443, 0.1761, 0.2118



80.2443, 0.4488, 0.3065

Complementary

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



80.2443, 0.3233, 0.4849



37.0092, 0.2885, 0.1938

Split Complementary

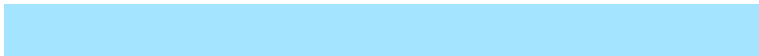
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2443, 0.3702, 0.2535



80.2443, 0.3233, 0.4849



80.2443, 0.2144, 0.2010

Square

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



80.2443, 0.3233, 0.4849



80.2443, 0.1676, 0.2541



80.2443, 0.2823, 0.2163



80.2443, 0.4830, 0.3670

Rectangle

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



80.2443, 0.3233, 0.4849



80.2443, 0.2051, 0.3634



80.2443, 0.2823, 0.2163



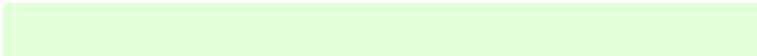
80.2443, 0.4260, 0.2876

Sweetspot

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



80.2465, 0.3233, 0.4849



92.7957, 0.3170, 0.3685



73.9385, 0.4050, 0.4248



19.6666, 0.3176, 0.3746



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.



80.2465, 0.3233, 0.4849



77.7799, 0.3228, 0.5188



78.1583, 0.2915, 0.4560



20.3960, 0.3155, 0.3533



38.0400, 0.3107, 0.5915



3.7537, 0.3185, 0.5853

Inverse Universe

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



37.0092, 0.2885, 0.1938



30.0401, 0.2813, 0.1689



41.0837, 0.3470, 0.2301



18.0491, 0.3096, 0.3053



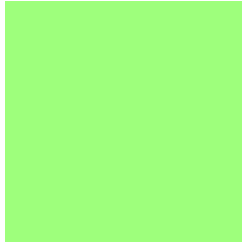
9.4879, 0.2559, 0.1183



0.9764, 0.2636, 0.1226

Previews

White Background



This preview shows how the Yxy color 80.2443, 0.3233, 0.4849 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 80.2443, 0.3233, 0.4849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

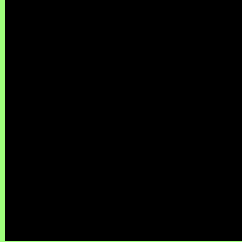
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2443, 0.3233, 0.4849

Background



This preview shows how black text looks on a background with the Yxy color 80.2443, 0.3233, 0.4849.



This preview shows how white text looks on a background with the Yxy color 80.2443, 0.3233, 0.4849.

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

80.2443, 0.3233, 0.4849

Protanopia

78.9254, 0.4036, 0.4404

Deuteranopia

78.9162, 0.3570, 0.3627



Tritanopia

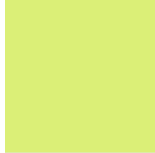
79.9002, 0.2736, 0.3116

Trichromacy



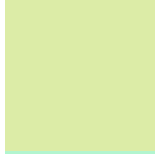
Original Color

80.2443, 0.3233, 0.4849



Protanomaly

78.1250, 0.3714, 0.4576



Deuteranomaly

77.9966, 0.3452, 0.4050



Tritanomaly

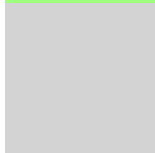
79.2748, 0.2929, 0.3729

Monochromacy



Original Color

80.2443, 0.3233, 0.4849



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3993, 0.3190, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2443, 0.3233, 0.4849 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(158, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 124)  
}
```

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(158, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 124) }
```

Border

The CSS property to change the border of an element to Yxy 80.2443, 0.3233, 0.4849 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(158, 255, 124) }
```

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

```
.border{ border-color:rgb(158, 255, 124) }
```

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

Here you see how a box with a 4 pixel rgb(158, 255, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2443, 0.3233, 0.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 124) }
```

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

```
.background{ background-color: rgb(158,  
255, 124) }
```

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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