

Converting Colors

Yxy(99.2107, 0.3162, 0.4935)

Have a look what the booklet for
Yxy(99.2107, 0.3162, 0.4935)
contains.

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Color

Yxy(80.5103, 0.3188, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	9EFF86
RGB	158, 255, 134
RGB Percent	62%, 100%, 53%
CMY	0.3802, 0.0000, 0.4745
CMYK	0.38, 0.00, 0.47, 0.00
HSL	108°, 100%, 76%
HSV	108°, 47%, 100%
XYZ	54.1720, 80.5103, 35.2424
YIQ	212.2030, -18.9710, -58.1950

Conversions

Conversions Part 2

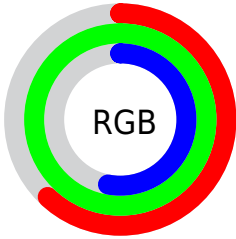
Format	Color
RYB	134, 255, 231
Decimal	10420102
CIELab	91.91, -50.59, 48.74
CIElCh	92, 70.247, 136.067
Yxy	80.5103, 0.3188, 0.4738
Android (android.graphics.Color)	4288610182 (0xFF9EFF86)
YUV	212.2030, -38.5541, -47.5360
Hunter-Lab	89.7275, -49.2558, 39.5219

Details

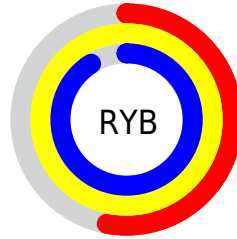
The Yxy color **80.5103, 0.3188, 0.4738** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.2546, 0.2973, 0.2061**, and the grayscale version is **66.2615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7931, 0.3261, 0.3997**, and **43.7489, 0.3160, 0.5111** is the 20% darker color. If you saturate the color by 10%, you get **77.9823, 0.3182, 0.5074**, and if you desaturate by 10%, it is **83.5612, 0.3185, 0.4396**.

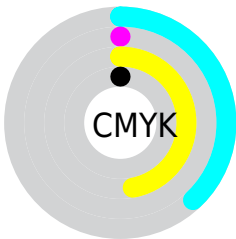
Distribution



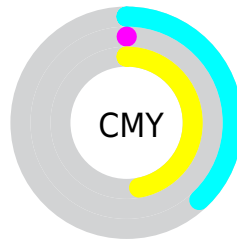
- Red (62%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (91%)



- Cyan (38%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5103, 0.3188, 0.4738 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 80.5103, 0.3188, 0.4738 by changing the saturation by 10% instead.


 80.5103, 0.3188,
0.4738

 80.5103, 0.3188,
0.4738


496.6509, 0.3194,
0.4037

 60.1384, 0.3177,
0.4902


 134.0830, 0.3198,
0.4491

 43.5302, 0.3157,
0.5106


 168.0525, 0.3199,
0.4396

 30.3013, 0.3124,
0.5365


 207.3233, 0.3200,
0.4314

 20.0674, 0.3066,
0.5699

252.2798, 0.3199,
0.4244

 12.4441, 0.2960,
0.6143

303.3064, 0.3198,
0.4182

 7.0469, 0.2780,
0.6796


360.7876, 0.3197,


 3.4914, 0.2383,


0.4128


0.7617


425.1076, 0.3196,
0.4080


 1.3934, 0.0132,
0.9868


 0.2118, 0.0000,
1.0000


 80.5103, 0.3188,
0.4738


 80.5103, 0.3188,
0.4738


 77.9823, 0.3182,
0.5074


 83.5612, 0.3185,
0.4396


 75.9373, 0.3167,
0.5381

 87.1518, 0.3175,
0.4066

 74.3462, 0.3141,
0.5638

 91.3108, 0.3160,
0.3758

 73.1718, 0.3106,
0.5824

 96.0617, 0.3142,
0.3479

■ 72.3695, 0.3068,
0.5933

99.9975, 0.3127,
0.3290

■ 72.2129, 0.3059,
0.5953

Harmonies

Analogous

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



80.5103, 0.3948, 0.4722



80.5103, 0.3188, 0.4738



80.5103, 0.2453, 0.4151

Triad

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



80.5103, 0.3188, 0.4738



80.5103, 0.1838, 0.2161



80.5103, 0.4447, 0.3116

Complementary

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



80.5103, 0.3188, 0.4738



41.2546, 0.2973, 0.2061

Split Complementary

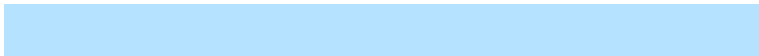
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5103, 0.3725, 0.2600



80.5103, 0.3188, 0.4738



80.5103, 0.2225, 0.2070

Square

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



80.5103, 0.3188, 0.4738



80.5103, 0.1739, 0.2550



80.5103, 0.2889, 0.2230



80.5103, 0.4743, 0.3701

Rectangle

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



80.5103, 0.3188, 0.4738



80.5103, 0.2078, 0.3562



80.5103, 0.2889, 0.2230



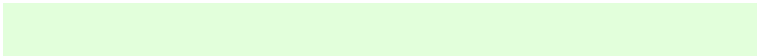
80.5103, 0.4241, 0.2933

Sweetspot

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



80.5137, 0.3188, 0.4738



92.8829, 0.3154, 0.3658



80.0204, 0.3936, 0.4252



19.6687, 0.3158, 0.3720



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.



80.5137, 0.3188, 0.4738



78.0871, 0.3183, 0.5059



79.5008, 0.2888, 0.4341



20.3419, 0.3146, 0.3534



37.7829, 0.3067, 0.5947



3.7217, 0.3136, 0.5892

Inverse Universe

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



41.2546, 0.2973, 0.2061



34.4839, 0.2927, 0.1836



43.4116, 0.3515, 0.2441



18.1073, 0.3106, 0.3054



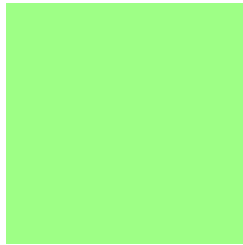
10.5687, 0.2709, 0.1266



1.0732, 0.2769, 0.1299

Previews

White Background



This preview shows how the Yxy color 80.5103, 0.3188, 0.4738 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 80.5103, 0.3188, 0.4738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

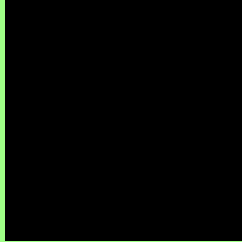
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5103, 0.3188, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 80.5103, 0.3188, 0.4738.



This preview shows how white text looks on a background with the Yxy color 80.5103, 0.3188, 0.4738.

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

80.5103, 0.3188, 0.4738

Protanopia

79.7033, 0.3980, 0.4337

Deuteranopia

79.5928, 0.3546, 0.3606



Tritanopia

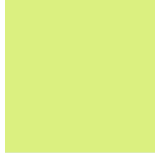
80.0294, 0.2742, 0.3117

Trichromacy



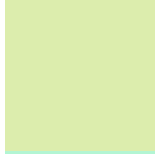
Original Color

80.5103, 0.3188, 0.4738



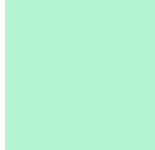
Protanomaly

78.9388, 0.3663, 0.4498



Deuteranomaly

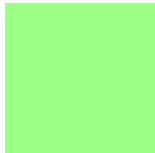
78.8011, 0.3413, 0.3993



Tritanomaly

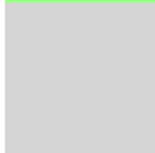
79.5917, 0.2913, 0.3680

Monochromacy



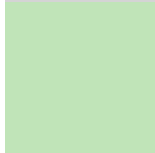
Original Color

80.5103, 0.3188, 0.4738



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1540, 0.3158, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5103, 0.3188, 0.4738 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 134) }
```

Border

The CSS property to change the border of an element to Yxy 80.5103, 0.3188, 0.4738 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, 134) }
```

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

```
.border{ border-color:rgb(158, 255, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5103, 0.3188, 0.4738 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, 134) }
```

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

```
.background{ background-color: rgb(158,  
255, 134) }
```

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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