

Converting Colors

$Yxy(77.2680, 0.3302, 0.4762)$

Have a look what the booklet for
Yxy(77.2680, 0.3302, 0.4762)
contains.

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Color

Yxy(77.5569, 0.3300, 0.4763)

Conversions

Conversions Part 1

Format	Color
Hex	A8F97D
RGB	168, 249, 125
RGB Percent	66%, 98%, 49%
CMY	0.3410, 0.0235, 0.5098
CMYK	0.33, 0.00, 0.50, 0.02
HSL	99°, 91%, 73%
HSV	99°, 50%, 98%
XYZ	53.7346, 77.5569, 31.5406
YIQ	210.6450, -8.4720, -55.7360

Conversions

Conversions Part 2

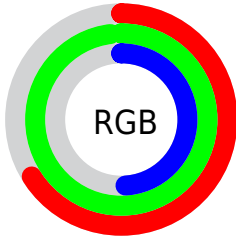
Format	Color
RYB	125, 249, 206
Decimal	11073917
CIELab	90.58, -45.95, 51.42
CIElCh	91, 68.960, 131.783
Yxy	77.5569, 0.3300, 0.4763
Android (android.graphics.Color)	4289263997 (0xFFA8F97D)
YUV	210.6450, -42.2230, -37.3997
Hunter-Lab	88.0664, -45.2027, 40.4120

Details

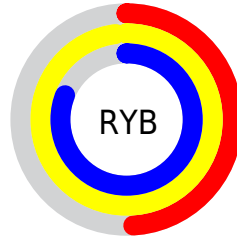
The Yxy color **77.5569, 0.3300, 0.4763** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **34.6219, 0.2799, 0.1943**, and the grayscale version is **65.1923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9840, 0.3378, 0.4078**, and **41.6119, 0.3294, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **75.3269, 0.3307, 0.5074**, and if you desaturate by 10%, it is **80.1761, 0.3279, 0.4440**.

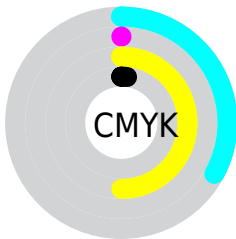
Distribution



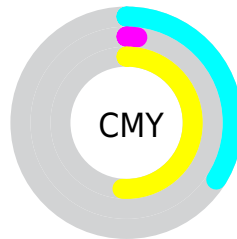
- Red (66%)
- Green (98%)
- Blue (49%)



- Red (49%)
- Yellow (98%)
- Blue (81%)



- Cyan (33%)
- Magenta (0%)
- Yellow (50%)
- Black (2%)





- Cyan (34%)
- Magenta (2%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5569, 0.3300, 0.4763 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 77.5569, 0.3300, 0.4763 by changing the saturation by 10% instead.


 77.5569, 0.3300,
0.4763

 77.5569, 0.3300,
0.4763


486.6607, 0.3257,
0.4051


 57.7101, 0.3299,
0.4929


 129.9253, 0.3294,
0.4512

 41.5756, 0.3290,
0.5135


 163.2157, 0.3289,
0.4415

 28.7691, 0.3270,
0.5394

 201.7560, 0.3283,
0.4333

 18.9062, 0.3225,
0.5726

245.9306, 0.3278,
0.4261

 11.6025, 0.3130,
0.6161

296.1240, 0.3272,
0.4198

 6.4737, 0.3006,
0.6897


352.7206, 0.3267,


 3.1352, 0.2527,


0.4143


0.7473


416.1047, 0.3262,
0.4094


 1.2027, 0.0000,
1.0000

 0.0639, 0.0000,
1.0000


 77.5569, 0.3300,
0.4763


 77.5569, 0.3300,
0.4763

 75.3269, 0.3307,
0.5074


 80.1761, 0.3279,
0.4440


 73.4557, 0.3297,
0.5355


 83.1932, 0.3249,
0.4122


 71.9241, 0.3270,
0.5587

 86.6287, 0.3211,
0.3820

 70.7063, 0.3227,
0.5755

 90.4990, 0.3169,
0.3539

 69.7655, 0.3174,
0.5861

 94.8194, 0.3126,
0.3285

 69.7485, 0.3173,
0.5862

 96.2286, 0.3130,
0.3233

Harmonies

Analogous

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



77.5569, 0.4043, 0.4670



77.5569, 0.3300, 0.4763



77.5569, 0.2552, 0.4259

Triad

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



77.5569, 0.3300, 0.4763



77.5569, 0.1812, 0.2202



77.5569, 0.4357, 0.3038

Complementary

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



77.5569, 0.3300, 0.4763



34.6219, 0.2799, 0.1943

Split Complementary

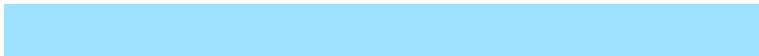
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5569, 0.3602, 0.2540



77.5569, 0.3300, 0.4763



77.5569, 0.2157, 0.2073

Square

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



77.5569, 0.3300, 0.4763



77.5569, 0.1755, 0.2637



77.5569, 0.2782, 0.2199



77.5569, 0.4724, 0.3615

Rectangle

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



77.5569, 0.3300, 0.4763



77.5569, 0.2153, 0.3689



77.5569, 0.2782, 0.2199



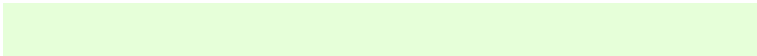
77.5569, 0.4134, 0.2860

Sweetspot

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



77.5602, 0.3300, 0.4763



93.3448, 0.3192, 0.3683



65.5695, 0.4073, 0.4125



19.7978, 0.3200, 0.3743



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.



77.5602, 0.3300, 0.4763



79.4599, 0.3307, 0.5082



74.1105, 0.2968, 0.4647



19.6022, 0.3168, 0.3531



37.4078, 0.3184, 0.5854



3.5210, 0.3274, 0.5782

Inverse Universe

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



34.6219, 0.2799, 0.1943



29.2623, 0.2706, 0.1680



40.5430, 0.3355, 0.2239



17.2053, 0.3082, 0.3052



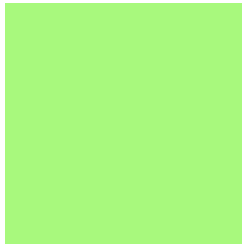
7.8856, 0.2350, 0.1068



0.7892, 0.2453, 0.1125

Previews

White Background



This preview shows how the Yxy color 77.5569, 0.3300, 0.4763 looks on a white background.

Color Contrast Check

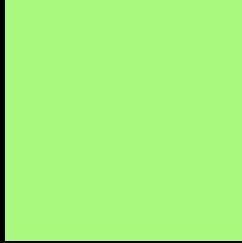
Large Text (above 18pt) WCAG AA × Fail

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 77.5569, 0.3300, 0.4763 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 77.5569, 0.3300, 0.4763

Background



This preview shows how black text looks on a background with the Yxy color 77.5569, 0.3300, 0.4763.

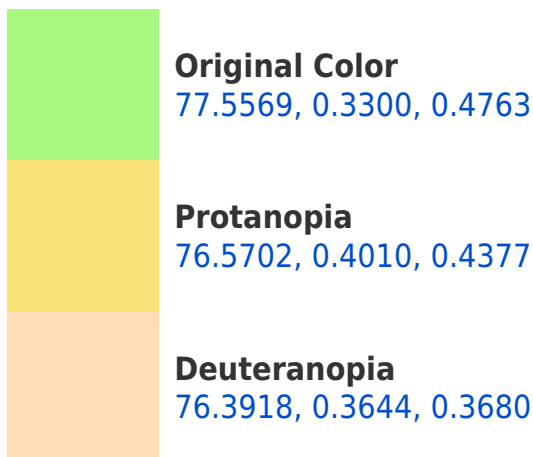


This preview shows how white text looks on a background with the Yxy color 77.5569, 0.3300, 0.4763.

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





Tritanopia

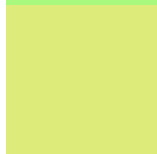
77.3912, 0.2732, 0.3083

Trichromacy



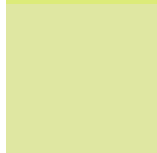
Original Color

77.5569, 0.3300, 0.4763



Protanomaly

76.0128, 0.3727, 0.4521



Deuteranomaly

75.4484, 0.3518, 0.4051



Tritanomaly

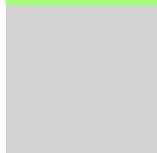
76.6489, 0.2946, 0.3672

Monochromacy



Original Color

77.5569, 0.3300, 0.4763



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.7478, 0.3207, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5569, 0.3300, 0.4763 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(168, 249, 125)` looks like.

```
.text, #text, p{  
    color:rgb(168, 249, 125)  
}
```

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(168, 249, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 249, 125) }
```

Border

The CSS property to change the border of an element to Yxy 77.5569, 0.3300, 0.4763 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(168, 249, 125) }
```

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

```
.border{ border-color:rgb(168, 249, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 249, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 249, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 249, 125);  
box-shadow:4px 4px 4px 4px rgb(168, 249,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5569, 0.3300, 0.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 249, 125) }
```

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

```
.background{ background-color: rgb(168,  
249, 125) }
```

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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