

Converting Colors

Yxy(76.5158, 0.3248, 0.4855)

Have a look what the booklet for
Yxy(76.5158, 0.3248, 0.4855)
contains.

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Color

Yxy(76.7952, 0.3247, 0.4861)

Conversions

Conversions Part 1

Format	Color
Hex	9CFA78
RGB	156, 250, 120
RGB Percent	61%, 98%, 47%
CMY	0.3879, 0.0196, 0.5294
CMYK	0.38, 0.00, 0.52, 0.02
HSL	103°, 93%, 73%
HSV	103°, 52%, 98%
XYZ	51.2969, 76.7952, 29.8903
YIQ	207.0740, -14.2940, -60.3580

Conversions

Conversions Part 2

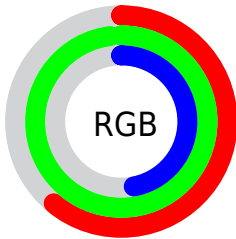
Format	Color
RYB	120, 250, 214
Decimal	10287736
CIELab	90.23, -50.79, 53.17
CIELCh	90, 73.528, 133.689
Yxy	76.7952, 0.3247, 0.4861
Android (android.graphics.Color)	4288477816 (0xFF9CFA78)
YUV	207.0740, -42.9275, -44.7919
Hunter-Lab	87.6329, -48.8706, 41.1201

Details

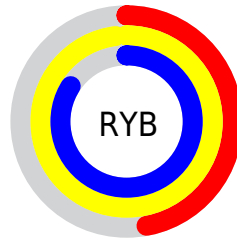
The Yxy color **76.7952, 0.3247, 0.4861** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.6221, 0.2860, 0.1916**, and the grayscale version is **62.7483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9113, 0.3327, 0.4153**, and **41.1418, 0.3213, 0.5262** is the 20% darker color. If you saturate the color by 10%, you get **74.5975, 0.3243, 0.5177**, and if you desaturate by 10%, it is **79.4259, 0.3238, 0.4530**.

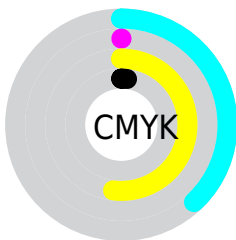
Distribution



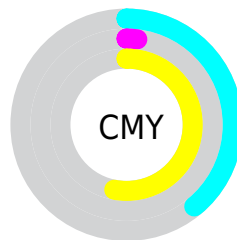
- Red (61%)
- Green (98%)
- Blue (47%)



- Red (47%)
- Yellow (98%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (52%)
- Black (2%)





- Cyan (39%)
- Magenta (2%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7952, 0.3247, 0.4861 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 76.7952, 0.3247, 0.4861 by changing the saturation by 10% instead.


 76.7952, 0.3247,
0.4861


 76.7952, 0.3247,
0.4861

484.0655, 0.3233,
0.4096

 57.0848, 0.3238,
0.5040


 128.8503, 0.3252,
0.4591

 41.0733, 0.3219,
0.5262


 161.9639, 0.3251,
0.4487

 28.3764, 0.3183,
0.5543


 200.3139, 0.3249,
0.4398

 18.6096, 0.3117,
0.5902

244.2849, 0.3246,
0.4321

 11.3885, 0.2990,
0.6371

294.2611, 0.3243,
0.4254

 6.3288, 0.2822,
0.7178


350.6270, 0.3240,


 3.0460, 0.2260,


0.4195


0.7740


413.7670, 0.3237,
0.4143


 1.1558, 0.0000,
1.0000


 0.0252, 0.0000,
1.0000


 76.7952, 0.3247,
0.4861

 76.7952, 0.3247,
0.4861


 74.5975, 0.3243,
0.5177


 79.4259, 0.3238,
0.4530


 72.7986, 0.3225,
0.5457


 82.5021, 0.3220,
0.4202


 71.3745, 0.3193,
0.5681


 86.0476, 0.3195,
0.3889

 70.2941, 0.3150,
0.5835

 90.0819, 0.3165,
0.3600

 69.6454, 0.3112,
0.5911

 94.6231, 0.3134,
0.3339

 96.8469, 0.3129,
0.3242

Harmonies

Analogous

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



76.7952, 0.4042, 0.4777



76.7952, 0.3247, 0.4861



76.7952, 0.2463, 0.4281

Triad

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



76.7952, 0.3247, 0.4861



76.7952, 0.1753, 0.2118



76.7952, 0.4483, 0.3053

Complementary

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



76.7952, 0.3247, 0.4861



34.6221, 0.2860, 0.1916

Split Complementary

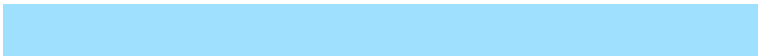
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7952, 0.3688, 0.2524



76.7952, 0.3247, 0.4861



76.7952, 0.2131, 0.2005

Square

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



76.7952, 0.3247, 0.4861



76.7952, 0.1672, 0.2548



76.7952, 0.2807, 0.2154



76.7952, 0.4836, 0.3660

Rectangle

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



76.7952, 0.3247, 0.4861



76.7952, 0.2055, 0.3652



76.7952, 0.2807, 0.2154



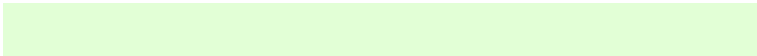
76.7952, 0.4252, 0.2864

Sweetspot

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



76.7985, 0.3247, 0.4861



92.4766, 0.3178, 0.3713



69.3502, 0.4073, 0.4238



19.6078, 0.3184, 0.3773



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.



76.7985, 0.3247, 0.4861



78.0234, 0.3243, 0.5179



74.5042, 0.2923, 0.4606



19.5422, 0.3158, 0.3532



37.0058, 0.3122, 0.5903



3.4779, 0.3206, 0.5837

Inverse Universe

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



34.6221, 0.2860, 0.1916



29.6196, 0.2787, 0.1678



39.0226, 0.3453, 0.2272



17.2683, 0.3093, 0.3053



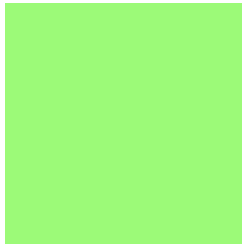
8.9242, 0.2516, 0.1160



0.8794, 0.2601, 0.1207

Previews

White Background



This preview shows how the Yxy color 76.7952, 0.3247, 0.4861 looks on a white background.

Color Contrast Check

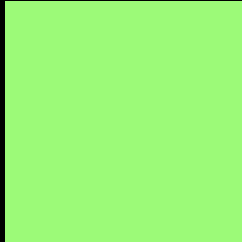
Large Text (above 18pt) WCAG AA × Fail

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 76.7952, 0.3247, 0.4861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

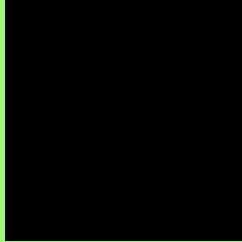
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

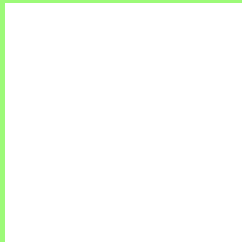
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7952, 0.3247, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 76.7952, 0.3247, 0.4861.



This preview shows how white text looks on a background with the Yxy color 76.7952, 0.3247, 0.4861.

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

76.7952, 0.3247, 0.4861

Protanopia

75.8866, 0.4049, 0.4419

Deuteranopia

75.7011, 0.3675, 0.3711



Tritanopia

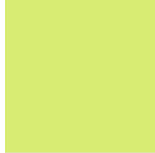
76.1561, 0.2676, 0.3079

Trichromacy



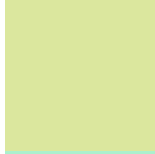
Original Color

76.7952, 0.3247, 0.4861



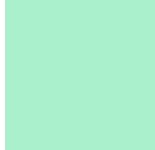
Protanomaly

75.2534, 0.3729, 0.4591



Deuteranomaly

74.6805, 0.3514, 0.4103



Tritanomaly

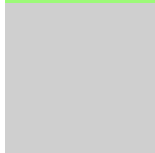
75.3859, 0.2897, 0.3703

Monochromacy



Original Color

76.7952, 0.3247, 0.4861



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.5619, 0.3191, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7952, 0.3247, 0.4861 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(156, 250, 120)` looks like.

```
.text, #text, p{  
    color:rgb(156, 250, 120)  
}
```

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(156, 250, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 250, 120) }
```

Border

The CSS property to change the border of an element to Yxy 76.7952, 0.3247, 0.4861 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(156, 250, 120) }
```

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

```
.border{ border-color:rgb(156, 250, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 250, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 250, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 250, 120);  
box-shadow:4px 4px 4px 4px rgb(156, 250,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7952, 0.3247, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 250, 120) }
```

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

```
.background{ background-color: rgb(156,  
250, 120) }
```

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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