

Converting Colors

$Y_{xy}(100.0000, 0.3283, 0.5138)$

Have a look what the booklet for
Yxy(100.0000, 0.3283, 0.5138)
contains.

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Color

Yxy(80.7528, 0.3341, 0.4968)

Conversions

Conversions Part 1

Format	Color
Hex	A6FF6E
RGB	166, 255, 110
RGB Percent	65%, 100%, 43%
CMY	0.3489, 0.0000, 0.5685
CMYK	0.35, 0.00, 0.57, 0.00
HSL	97°, 100%, 72%
HSV	97°, 57%, 100%
XYZ	54.3066, 80.7528, 27.4865
YIQ	211.8590, -6.4990, -63.9630

Conversions

Conversions Part 2

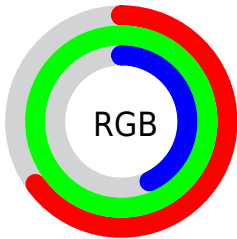
Format	Color
RYB	110, 255, 199
Decimal	10944366
CIELab	92.02, -50.71, 59.84
CIELCh	92, 78.441, 130.279
Yxy	80.7528, 0.3341, 0.4968
Android (android.graphics.Color)	4289134446 (0xFFA6FF6E)
YUV	211.8590, -50.2165, -40.2183
Hunter-Lab	89.8626, -49.3867, 44.7686

Details

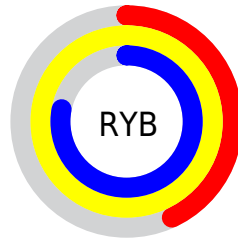
The Yxy color **80.7528, 0.3341, 0.4968** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.5236, 0.2685, 0.1737**, and the grayscale version is **66.0914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2442, 0.3456, 0.4237**, and **43.8521, 0.3318, 0.5376** is the 20% darker color. If you saturate the color by 10%, you get **78.6881, 0.3340, 0.5254**, and if you desaturate by 10%, it is **83.1901, 0.3325, 0.4657**.

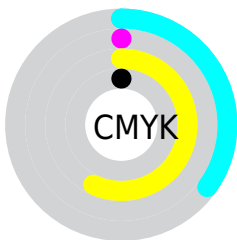
Distribution



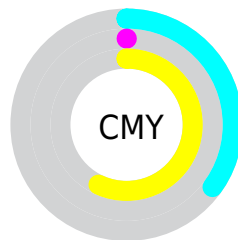
- Red (65%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7528, 0.3341, 0.4968 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 80.7528, 0.3341, 0.4968 by changing the saturation by 10% instead.

 80.7528, 0.3341,
0.4968


 80.7528, 0.3341,
0.4968


497.4662, 0.3293,
0.4164

 60.3380, 0.3337,
0.5152


 134.4236, 0.3336,
0.4687

 43.6912, 0.3323,
0.5377


 168.4484, 0.3331,
0.4578

 30.4278, 0.3292,
0.5655


 207.7787, 0.3325,
0.4485

 20.1635, 0.3228,
0.6004

252.7989, 0.3318,
0.4403

 12.5140, 0.3103,
0.6443

303.8934, 0.3312,
0.4332

 7.0947, 0.2903,
0.7097

361.4465, 0.3305,

 3.5214, 0.2384,

0.4269

0.7616

425.8426, 0.3299,
0.4214

■ 1.4096, 0.0188,
0.9812

■ 0.2238, 0.0000,
1.0000

■ 80.7528, 0.3341,
0.4968

■ 80.7528, 0.3341,
0.4968

■ 78.6881, 0.3340,
0.5254

■ 83.1901, 0.3325,
0.4657

■ 76.9640, 0.3321,
0.5497

■ 86.0091, 0.3295,
0.4339

■ 75.5597, 0.3283,
0.5682

■ 89.2309, 0.3255,
0.4028

■ 74.4459, 0.3230,
0.5802

■ 92.8724, 0.3210,
0.3734

 74.1436, 0.3213,
0.5831

 96.9491, 0.3161,
0.3462

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



80.7528, 0.4158, 0.4794



80.7528, 0.3341, 0.4968



80.7528, 0.2512, 0.4437

Triad

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



80.7528, 0.3341, 0.4968



80.7528, 0.1674, 0.2100



80.7528, 0.4472, 0.2970

Complementary

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



80.7528, 0.3341, 0.4968



30.5236, 0.2685, 0.1737

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.



80.7528, 0.3605, 0.2439



80.7528, 0.3341, 0.4968



80.7528, 0.2029, 0.1953

Square

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



80.7528, 0.3341, 0.4968



80.7528, 0.1625, 0.2583



80.7528, 0.2696, 0.2080



80.7528, 0.4904, 0.3590

Rectangle

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



80.7528, 0.3341, 0.4968



80.7528, 0.2068, 0.3785



80.7528, 0.2696, 0.2080



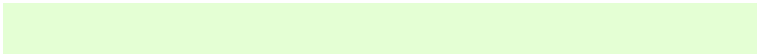
80.7528, 0.4214, 0.2779

Sweetspot

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



80.7563, 0.3341, 0.4968



92.8143, 0.3211, 0.3738



62.3259, 0.4275, 0.4161



19.7024, 0.3220, 0.3795



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.



80.7563, 0.3341, 0.4968



78.4729, 0.3339, 0.5285



76.3057, 0.2984, 0.4964



20.5101, 0.3174, 0.3532



38.8214, 0.3224, 0.5822



3.8406, 0.3312, 0.5753

Inverse Universe

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



30.5236, 0.2685, 0.1737



23.8889, 0.2568, 0.1468



38.7414, 0.3324, 0.2057



17.9296, 0.3076, 0.3051



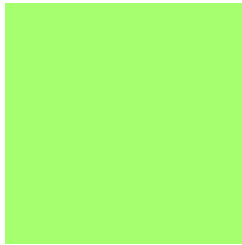
7.5809, 0.2260, 0.1019



0.8011, 0.2367, 0.1077

Previews

White Background



This preview shows how the Yxy color 80.7528, 0.3341, 0.4968 looks on a white background.

Color Contrast Check

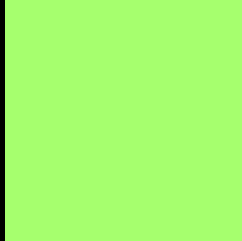
Large Text (above 18pt) WCAG AA × Fail

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 80.7528, 0.3341, 0.4968 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

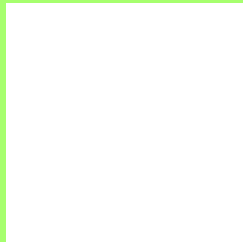
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7528, 0.3341, 0.4968

Background



This preview shows how black text looks on a background with the Yxy color 80.7528, 0.3341, 0.4968.

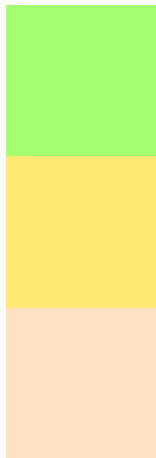


This preview shows how white text looks on a background with the Yxy color 80.7528, 0.3341, 0.4968.

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

80.7528, 0.3341, 0.4968

Protanopia

79.6728, 0.4038, 0.4409

Deuteranopia

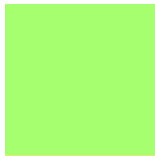
79.5030, 0.3560, 0.3626



Tritanopia

80.1048, 0.2769, 0.3107

Trichromacy



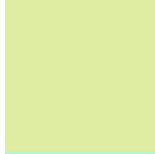
Original Color

80.7528, 0.3341, 0.4968



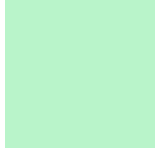
Protanomaly

79.2231, 0.3765, 0.4615



Deuteranomaly

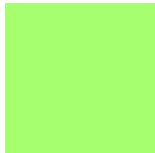
78.9007, 0.3496, 0.4097



Tritanomaly

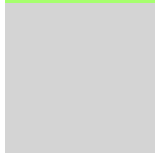
79.2799, 0.2999, 0.3772

Monochromacy



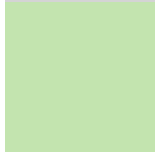
Original Color

80.7528, 0.3341, 0.4968



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1841, 0.3236, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7528, 0.3341, 0.4968 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(166, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 110)  
}
```

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(166, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 110) }
```

Border

The CSS property to change the border of an element to Yxy 80.7528, 0.3341, 0.4968 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(166, 255, 110) }
```

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

```
.border{ border-color:rgb(166, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7528, 0.3341, 0.4968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 110) }
```

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

```
.background{ background-color: rgb(166,  
255, 110) }
```

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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