

Converting Colors

Yxy(81.4597, 0.3457, 0.5073)

Have a look what the booklet for
Yxy(81.4597, 0.3457, 0.5073)
contains.

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Color

Yxy(81.4602, 0.3456, 0.5073)

Conversions

Conversions Part 1

Format	Color
Hex	AFFF5F
RGB	175, 255, 95
RGB Percent	69%, 100%, 37%
CMY	0.3139, 0.0000, 0.6275
CMYK	0.31, 0.00, 0.63, 0.00
HSL	90°, 100%, 69%
HSV	90°, 63%, 100%
XYZ	55.4951, 81.4602, 23.6207
YIQ	212.8400, 3.6800, -66.7200

Conversions

Conversions Part 2

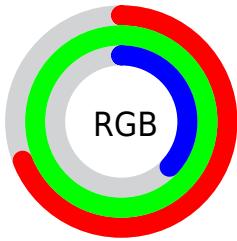
Format	Color
RYB	95, 255, 175
Decimal	11534175
CIELab	92.34, -49.06, 66.61
CIELCh	92, 82.731, 126.373
Yxy	81.4602, 0.3456, 0.5073
Android (android.graphics.Color)	4289724255 (0xFFAFF5F)
YUV	212.8400, -58.0951, -33.1857
Hunter-Lab	90.2553, -48.1929, 47.6619

Details

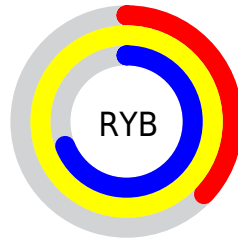
The Yxy color **81.4602, 0.3456, 0.5073** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **24.5209, 0.2465, 0.1517**, and the grayscale version is **66.8079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2468, 0.3594, 0.4357**, and **44.2856, 0.3447, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **79.6568, 0.3457, 0.5318**, and if you desaturate by 10%, it is **83.5416, 0.3434, 0.4793**.

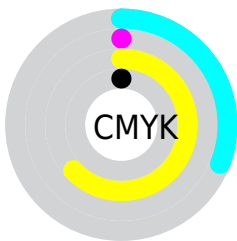
Distribution



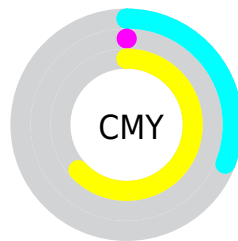
- Red (69%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (69%)



- Cyan (31%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4602, 0.3456, 0.5073 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 81.4602, 0.3456, 0.5073 by changing the saturation by 10% instead.


 81.4602, 0.3456,
0.5073


 81.4602, 0.3456,
0.5073


499.8403, 0.3367,
0.4229


 60.9207, 0.3457,
0.5261


 135.4168, 0.3440,
0.4782


 44.1612, 0.3448,
0.5488


 169.6026, 0.3429,
0.4668

 30.7972, 0.3420,
0.5763


 209.1060, 0.3418,
0.4569

 20.4445, 0.3356,
0.6099

 254.3114, 0.3407,
0.4484

 12.7186, 0.3238,
0.6533

305.6031, 0.3396,
0.4408

 7.2350, 0.2981,
0.7019

363.3655, 0.3386,


 3.6095, 0.2483,


0.4342


0.7517


427.9831, 0.3376,
0.4282


 1.4576, 0.0644,
0.9356


 0.2586, 0.0000,
1.0000


 81.4602, 0.3456,
0.5073


 81.4602, 0.3456,
0.5073

 79.6568, 0.3457,
0.5318

 83.5416, 0.3434,
0.4793


 78.1319, 0.3436,
0.5513


 85.9378, 0.3394,
0.4495

 76.8560, 0.3393,
0.5652

 88.6577, 0.3341,
0.4192

 76.0646, 0.3352,
0.5720

 91.7155, 0.3280,
0.3897

 95.1245, 0.3214,
0.3617

 98.8971, 0.3146,
0.3357

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.



81.4602, 0.4292, 0.4793



81.4602, 0.3456, 0.5073



81.4602, 0.2581, 0.4620

Triad

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



81.4602, 0.3456, 0.5073



81.4602, 0.1592, 0.2089



81.4602, 0.4440, 0.2872

Complementary

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



81.4602, 0.3456, 0.5073



24.5209, 0.2465, 0.1517

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.



81.4602, 0.3495, 0.2342



81.4602, 0.3456, 0.5073



81.4602, 0.1916, 0.1901

Square

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



81.4602, 0.3456, 0.5073



81.4602, 0.1580, 0.2638



81.4602, 0.2565, 0.2000



81.4602, 0.4968, 0.3503

Rectangle

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



81.4602, 0.3456, 0.5073



81.4602, 0.2096, 0.3953



81.4602, 0.2565, 0.2000



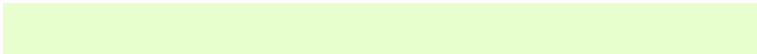
81.4602, 0.4151, 0.2680

Sweetspot

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



81.4536, 0.3456, 0.5073



92.9521, 0.3255, 0.3790



52.7434, 0.4535, 0.4079



19.6927, 0.3274, 0.3871



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.



81.4536, 0.3456, 0.5073



79.2908, 0.3454, 0.5366



74.7782, 0.3032, 0.5329



20.6140, 0.3192, 0.3530



39.8341, 0.3364, 0.5711



3.9434, 0.3449, 0.5643

Inverse Universe

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



24.5209, 0.2465, 0.1517



18.2739, 0.2301, 0.1228



36.6621, 0.3195, 0.1848



17.8242, 0.3058, 0.3050



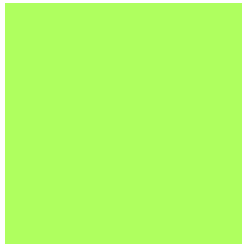
6.2422, 0.2021, 0.0887



0.6727, 0.2144, 0.0955

Previews

White Background



This preview shows how the Yxy color 81.4602, 0.3456, 0.5073 looks on a white background.

Color Contrast Check

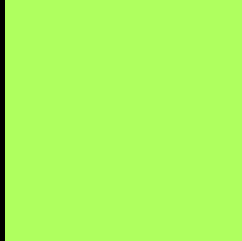
Large Text (above 18pt) WCAG AA × Fail

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 81.4602, 0.3456, 0.5073 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

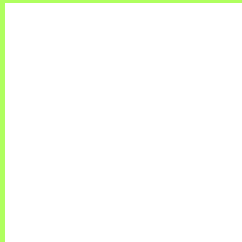
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4602, 0.3456, 0.5073

Background



This preview shows how black text looks on a background with the Yxy color 81.4602, 0.3456, 0.5073.

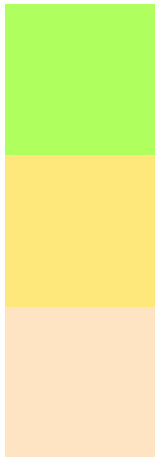


This preview shows how white text looks on a background with the Yxy color 81.4602, 0.3456, 0.5073.

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

81.4602, 0.3456, 0.5073

Protanopia

80.4033, 0.3994, 0.4359

Deuteranopia

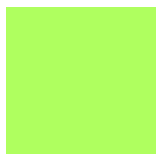
80.6869, 0.3542, 0.3625



Tritanopia

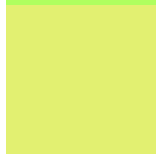
80.9256, 0.2804, 0.3109

Trichromacy



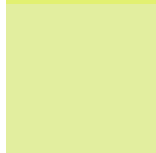
Original Color

81.4602, 0.3456, 0.5073



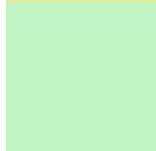
Protanomaly

79.6812, 0.3792, 0.4613



Deuteranomaly

79.8210, 0.3540, 0.4144



Tritanomaly

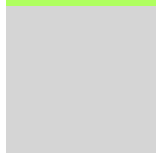
79.9391, 0.3071, 0.3825

Monochromacy



Original Color

81.4602, 0.3456, 0.5073



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.5312, 0.3296, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4602, 0.3456, 0.5073 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(175, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 95)  
}
```

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(175, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 95) }
```

Border

The CSS property to change the border of an element to Yxy 81.4602, 0.3456, 0.5073 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(175, 255, 95) }
```

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

```
.border{ border-color:rgb(175, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4602, 0.3456, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 95) }
```

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

```
.background{ background-color: rgb(175,  
255, 95) }
```

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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