

Converting Colors

Yxy(81.5117, 0.3456, 0.5066)

Have a look what the booklet for
Yxy(81.5117, 0.3456, 0.5066)
contains.

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Color

Yxy(81.4785, 0.3453, 0.5064)

Conversions

Conversions Part 1

Format	Color
Hex	AFFF60
RGB	175, 255, 96
RGB Percent	69%, 100%, 38%
CMY	0.3135, 0.0000, 0.6236
CMYK	0.31, 0.00, 0.62, 0.00
HSL	90°, 100%, 69%
HSV	90°, 62%, 100%
XYZ	55.5579, 81.4785, 23.8611
YIQ	212.9540, 3.3590, -66.4090

Conversions

Conversions Part 2

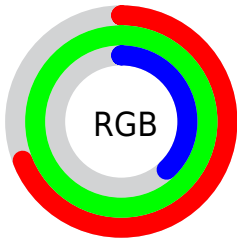
Format	Color
RYB	96, 255, 176
Decimal	11534176
CIELab	92.34, -48.94, 66.22
CIELCh	92, 82.343, 126.466
Yxy	81.4785, 0.3453, 0.5064
Android (android.graphics.Color)	4289724256 (0xFFAFFF60)
YUV	212.9540, -57.6583, -33.2857
Hunter-Lab	90.2654, -48.0987, 47.5129

Details

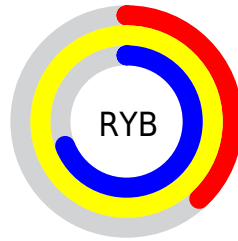
The Yxy color **81.4785, 0.3453, 0.5064** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **24.8064, 0.2473, 0.1529**, and the grayscale version is **66.9061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2794, 0.3589, 0.4347**, and **44.2914, 0.3445, 0.5482** is the 20% darker color. If you saturate the color by 10%, you get **79.6718, 0.3455, 0.5311**, and if you desaturate by 10%, it is **83.5855, 0.3430, 0.4783**.

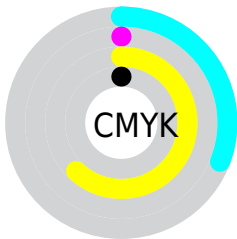
Distribution



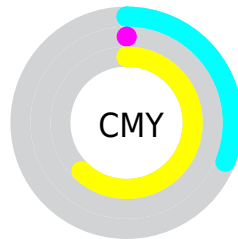
- Red (69%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (69%)



- Cyan (31%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4785, 0.3453, 0.5064 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 81.4785, 0.3453, 0.5064 by changing the saturation by 10% instead.


 81.4785, 0.3453,
0.5064

 81.4785, 0.3453,
0.5064


499.9016, 0.3364,
0.4224


 60.9358, 0.3454,
0.5251


 135.4424, 0.3437,
0.4774


 44.1733, 0.3446,
0.5477

 169.6324, 0.3426,
0.4661

 30.8068, 0.3418,
0.5752


 209.1403, 0.3415,
0.4563

 20.4518, 0.3355,
0.6088

 254.3504, 0.3404,
0.4477

 12.7239, 0.3237,
0.6520

305.6473, 0.3393,
0.4402

 7.2387, 0.2986,
0.7014

363.4151, 0.3383,

 3.6118, 0.2490,

0.4336

0.7510

428.0384, 0.3373,
0.4277

■ 1.4589, 0.0666,
0.9334

■ 0.2595, 0.0000,
1.0000

■ 81.4785, 0.3453,
0.5064

■ 81.4785, 0.3453,
0.5064

■ 79.6718, 0.3455,
0.5311

■ 83.5855, 0.3430,
0.4783

■ 78.1354, 0.3434,
0.5509

■ 85.9991, 0.3390,
0.4484

■ 76.8502, 0.3391,
0.5650

■ 88.7383, 0.3338,
0.4181

■ 76.0138, 0.3349,
0.5723

■ 91.8175, 0.3276,
0.3886

■ 95.2498, 0.3210,
0.3606

■ 99.0478, 0.3143,
0.3348

■ 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



81.4785, 0.4286, 0.4789



81.4785, 0.3453, 0.5064



81.4785, 0.2582, 0.4610

Triad

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



81.4785, 0.3453, 0.5064



81.4785, 0.1598, 0.2093



81.4785, 0.4436, 0.2876

Complementary

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



81.4785, 0.3453, 0.5064



24.8064, 0.2473, 0.1529

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.



81.4785, 0.3497, 0.2347



81.4785, 0.3453, 0.5064



81.4785, 0.1922, 0.1906

Square

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



81.4785, 0.3453, 0.5064



81.4785, 0.1585, 0.2639



81.4785, 0.2570, 0.2005



81.4785, 0.4960, 0.3506

Rectangle

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



81.4785, 0.3453, 0.5064



81.4785, 0.2098, 0.3946



81.4785, 0.2570, 0.2005



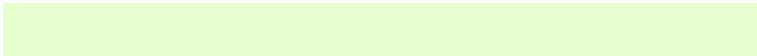
81.4785, 0.4149, 0.2684

Sweetspot

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



81.4821, 0.3453, 0.5064



92.9320, 0.3255, 0.3790



52.9560, 0.4524, 0.4076



19.6879, 0.3273, 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.



81.4821, 0.3453, 0.5064



79.2419, 0.3451, 0.5368



74.8487, 0.3032, 0.5316



20.6117, 0.3191, 0.3530



39.8084, 0.3361, 0.5714



3.9409, 0.3446, 0.5646

Inverse Universe

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



24.8064, 0.2473, 0.1529



18.3230, 0.2305, 0.1230



36.8430, 0.3195, 0.1854



17.8265, 0.3058, 0.3050



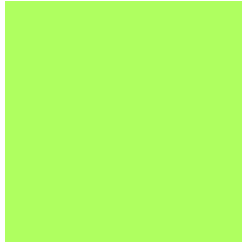
6.2681, 0.2026, 0.0890



0.6753, 0.2148, 0.0957

Previews

White Background



This preview shows how the Yxy color 81.4785, 0.3453, 0.5064 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 81.4785, 0.3453, 0.5064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

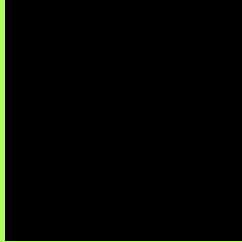
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

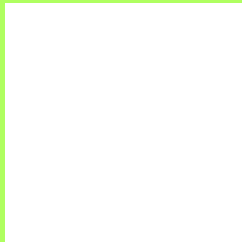
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4785, 0.3453, 0.5064

Background



This preview shows how black text looks on a background with the Yxy color 81.4785, 0.3453, 0.5064.

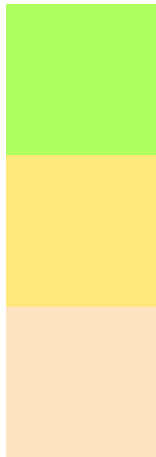


This preview shows how white text looks on a background with the Yxy color 81.4785, 0.3453, 0.5064.

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

81.4785, 0.3453, 0.5064

Protanopia

80.4285, 0.3988, 0.4351

Deuteranopia

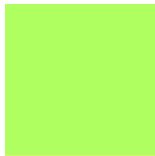
80.6869, 0.3542, 0.3625



Tritanopia

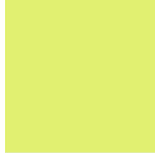
80.9256, 0.2804, 0.3109

Trichromacy



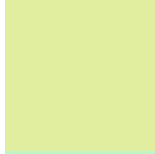
Original Color

81.4785, 0.3453, 0.5064



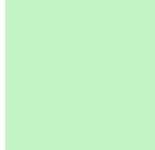
Protanomaly

79.7038, 0.3787, 0.4604



Deuteranomaly

79.8210, 0.3540, 0.4144



Tritanomaly

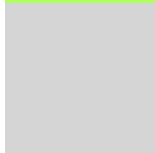
79.9391, 0.3071, 0.3825

Monochromacy



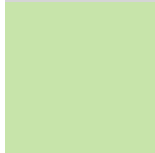
Original Color

81.4785, 0.3453, 0.5064



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 81.4785, 0.3453, 0.5064 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 96) }
```

Border

The CSS property to change the border of an element to Yxy 81.4785, 0.3453, 0.5064 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, 96) }
```

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

```
.border{ border-color:rgb(175, 255, 96) }
```

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, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4785, 0.3453, 0.5064 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, 96) }
```

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

```
.background{ background-color: rgb(175,  
255, 96) }
```

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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