

Converting Colors

$Y_{xy}(74.7638, 0.3452, 0.4995)$

Have a look what the booklet for
Yxy(74.7638, 0.3452, 0.4995)
contains.

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Color

Yxy(74.8446, 0.3449, 0.4997)

Conversions

Conversions Part 1

Format	Color
Hex	ABF562
RGB	171, 245, 98
RGB Percent	67%, 96%, 38%
CMY	0.3292, 0.0392, 0.6157
CMYK	0.30, 0.00, 0.60, 0.04
HSL	90°, 88%, 67%
HSV	90°, 60%, 96%
XYZ	51.6588, 74.8446, 23.2757
YIQ	206.1160, 3.0830, -61.4050

Conversions

Conversions Part 2

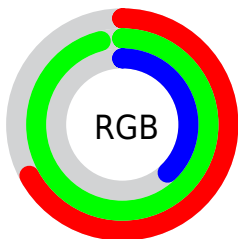
Format	Color
RYB	98, 245, 172
Decimal	11269474
CIELab	89.32, -45.92, 62.00
CIElCh	89, 77.157, 126.527
Yxy	74.8446, 0.3449, 0.4997
Android (android.graphics.Color)	4289459554 (0xFFABF562)
YUV	206.1160, -53.3012, -30.7967
Hunter-Lab	86.5128, -44.8108, 44.6074

Details

The Yxy color **74.8446, 0.3449, 0.4997** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **24.0899, 0.2507, 0.1596**, and the grayscale version is **62.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6429, 0.3556, 0.4347**, and **39.6970, 0.3451, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **73.1332, 0.3456, 0.5253**, and if you desaturate by 10%, it is **76.8332, 0.3422, 0.4711**.

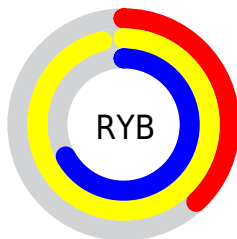
Distribution



Red (67%)

Green (96%)

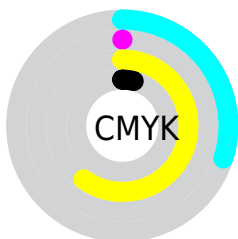
Blue (38%)



Red (38%)

Yellow (96%)

Blue (67%)

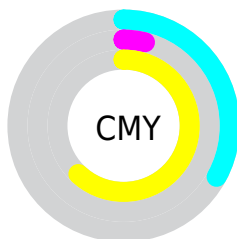


Cyan (30%)

Magenta (0%)

Yellow (60%)

Black (4%)



Cyan (33%)


Magenta (4%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8446, 0.3449, 0.4997 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 74.8446, 0.3449, 0.4997 by changing the saturation by 10% instead.


 74.8446, 0.3449,
0.4997


 74.8446, 0.3449,
0.4997


477.3833, 0.3354,
0.4176

 55.4856, 0.3453,
0.5184


 126.0924, 0.3430,
0.4711

 39.7906, 0.3447,
0.5412


 158.7499, 0.3418,
0.4599

 27.3753, 0.3424,
0.5692

 196.6091, 0.3406,
0.4504

 17.8553, 0.3364,
0.6039

 240.0543, 0.3395,
0.4421

 10.8462, 0.3254,
0.6504

289.4699, 0.3384,
0.4348

 5.9635, 0.2984,
0.7016

345.2404, 0.3374,

 2.8229, 0.2445,

0.4284

0.7555

407.7500, 0.3364,
0.4227

■ 1.0400, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.8446, 0.3449,
0.4997

■ 74.8446, 0.3449,
0.4997

■ 73.1332, 0.3456,
0.5253

■ 76.8332, 0.3422,
0.4711

■ 71.6722, 0.3441,
0.5464


■ 79.1042, 0.3378,
0.4410


■ 70.4454, 0.3404,
0.5620

■ 81.6748, 0.3323,
0.4108

■ 69.4226, 0.3350,
0.5722

■ 84.5574, 0.3261,
0.3817

 87.7641, 0.3194,
0.3543

 91.3060, 0.3127,
0.3290

 93.7829, 0.3132,
0.3194

Harmonies

Analogous

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



74.8446, 0.4256, 0.4747



74.8446, 0.3449, 0.4997



74.8446, 0.2603, 0.4554

Triad

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



74.8446, 0.3449, 0.4997



74.8446, 0.1641, 0.2131



74.8446, 0.4391, 0.2893

Complementary

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



74.8446, 0.3449, 0.4997



24.0899, 0.2507, 0.1596

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.



74.8446, 0.3488, 0.2376



74.8446, 0.3449, 0.4997



74.8446, 0.1959, 0.1946

Square

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



74.8446, 0.3449, 0.4997



74.8446, 0.1630, 0.2664



74.8446, 0.2591, 0.2042



74.8446, 0.4897, 0.3509

Rectangle

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



74.8446, 0.3449, 0.4997



74.8446, 0.2133, 0.3920



74.8446, 0.2591, 0.2042



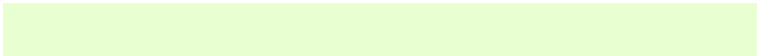
74.8446, 0.4115, 0.2706

Sweetspot

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



74.8479, 0.3449, 0.4997



93.2693, 0.3248, 0.3762



49.6063, 0.4455, 0.4054



19.7543, 0.3267, 0.3844



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.



74.8479, 0.3449, 0.4997



79.7289, 0.3455, 0.5303



68.7808, 0.3036, 0.5234



18.8765, 0.3191, 0.3529



37.4827, 0.3362, 0.5713



3.3554, 0.3456, 0.5638

Inverse Universe

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



24.0899, 0.2507, 0.1596



19.6443, 0.2345, 0.1294



34.7379, 0.3193, 0.1896



16.3363, 0.3058, 0.3051



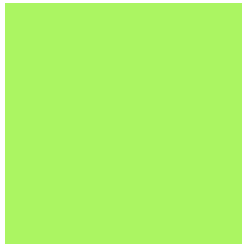
5.9123, 0.2029, 0.0891



0.5807, 0.2163, 0.0965

Previews

White Background



This preview shows how the Yxy color 74.8446, 0.3449, 0.4997 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 74.8446, 0.3449, 0.4997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

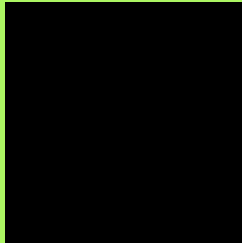
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8446, 0.3449, 0.4997

Background



This preview shows how black text looks on a background with the Yxy color 74.8446, 0.3449, 0.4997.

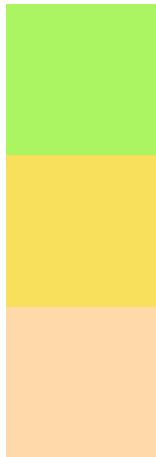


This preview shows how white text looks on a background with the Yxy color 74.8446, 0.3449, 0.4997.

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

74.8446, 0.3449, 0.4997

Protanopia

74.2238, 0.4157, 0.4560

Deuteranopia

73.7503, 0.3757, 0.3784



Tritanopia

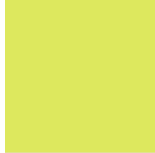
74.5774, 0.2777, 0.3092

Trichromacy



Original Color

74.8446, 0.3449, 0.4997



Protanomaly

73.8935, 0.3885, 0.4729



Deuteranomaly

72.7686, 0.3659, 0.4215



Tritanomaly

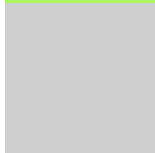
73.4573, 0.3045, 0.3785

Monochromacy



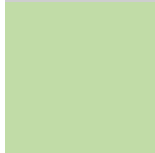
Original Color

74.8446, 0.3449, 0.4997



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.3139, 0.3284, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8446, 0.3449, 0.4997 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(171, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 98)  
}
```

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(171, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 98) }
```

Border

The CSS property to change the border of an element to Yxy 74.8446, 0.3449, 0.4997 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(171, 245, 98) }
```

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

```
.border{ border-color:rgb(171, 245, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(171, 245,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8446, 0.3449, 0.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 98) }
```

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

```
.background{ background-color: rgb(171,  
245, 98) }
```

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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