

Converting Colors

Yxy(72.9343, 0.3435, 0.5146)

Have a look what the booklet for
Yxy(72.9343, 0.3435, 0.5146)
contains.

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Color

Yxy(72.9343, 0.3435, 0.5146)

Conversions

Conversions Part 1

Format	Color
Hex	A1F455
RGB	161, 244, 85
RGB Percent	63%, 96%, 33%
CMY	0.3688, 0.0431, 0.6665
CMYK	0.34, 0.00, 0.65, 0.04
HSL	91°, 88%, 65%
HSV	91°, 65%, 96%
XYZ	48.6843, 72.9343, 20.1115
YIQ	201.0570, 1.5710, -67.0450

Conversions

Conversions Part 2

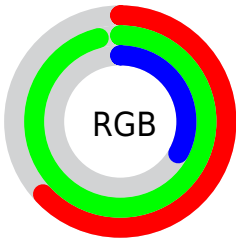
Format	Color
RYB	85, 244, 168
Decimal	10613845
CIELab	88.42, -50.02, 66.13
CIElCh	88, 82.912, 127.102
Yxy	72.9343, 0.3435, 0.5146
Android (android.graphics.Color)	4288803925 (0xFFA1F455)
YUV	201.0570, -57.2161, -35.1300
Hunter-Lab	85.4016, -47.6965, 45.8187

Details

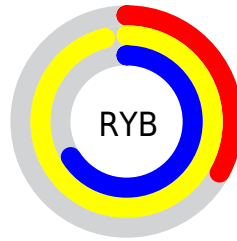
The Yxy color **72.9343, 0.3435, 0.5146** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.3670, 0.2466, 0.1474**, and the grayscale version is **58.8060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6587, 0.3551, 0.4492**, and **38.4712, 0.3415, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **71.3570, 0.3428, 0.5384**, and if you desaturate by 10%, it is **74.7866, 0.3420, 0.4870**.

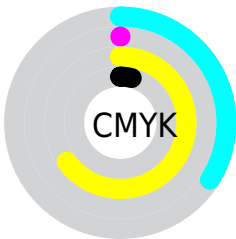
Distribution



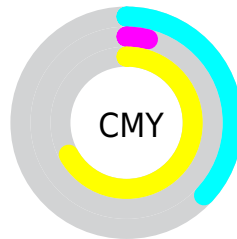
- Red (63%)
- Green (96%)
- Blue (33%)



- Red (33%)
- Yellow (96%)
- Blue (66%)



- Cyan (34%)
- Magenta (0%)
- Yellow (65%)
- Black (4%)




- Cyan (37%)
- Magenta (4%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9343, 0.3435, 0.5146 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 72.9343, 0.3435, 0.5146 by changing the saturation by 10% instead.


 72.9343, 0.3435,
0.5146

 72.9343, 0.3435,
0.5146


470.7871, 0.3358,
0.4249


 53.9222, 0.3431,
0.5350

 123.3839, 0.3425,
0.4833


 38.5395, 0.3413,
0.5597


 155.5903, 0.3416,
0.4712

 26.4017, 0.3371,
0.5898


 192.9636, 0.3406,
0.4607

 17.1244, 0.3282,
0.6266

 235.8881, 0.3396,
0.4516

 10.3232, 0.3163,
0.6832

284.7483, 0.3386,
0.4437

 5.6138, 0.2770,
0.7230

339.9287, 0.3376,

 2.6117, 0.2154,

0.4367

0.7846

401.8134, 0.3367,
0.4305

■ 0.9325, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.9343, 0.3435,
0.5146

■ 72.9343, 0.3435,
0.5146

■ 71.3570, 0.3428,
0.5384

■ 74.7866, 0.3420,
0.4870

■ 70.0266, 0.3400,
0.5570


■ 76.9207, 0.3388,
0.4571

■ 68.9246, 0.3352,
0.5697

■ 79.3543, 0.3342,
0.4266

■ 68.4583, 0.3324,
0.5743

■ 82.1009, 0.3286,
0.3967

 85.1730, 0.3224,
0.3682

 88.5825, 0.3160,
0.3418

 92.2862, 0.3101,
0.3184

 93.1874, 0.3132,
0.3185

Harmonies

Analogous

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



72.9343, 0.4303, 0.4851



72.9343, 0.3435, 0.5146



72.9343, 0.2535, 0.4659

Triad

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



72.9343, 0.3435, 0.5146



72.9343, 0.1550, 0.2038



72.9343, 0.4512, 0.2869

Complementary

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



72.9343, 0.3435, 0.5146



21.3670, 0.2466, 0.1474

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.



72.9343, 0.3532, 0.2322



72.9343, 0.3435, 0.5146



72.9343, 0.1888, 0.1857

Square

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



72.9343, 0.3435, 0.5146



72.9343, 0.1528, 0.2589



72.9343, 0.2563, 0.1966



72.9343, 0.5042, 0.3516

Rectangle

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



72.9343, 0.3435, 0.5146



72.9343, 0.2041, 0.3951



72.9343, 0.2563, 0.1966



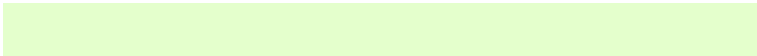
72.9343, 0.4213, 0.2671

Sweetspot

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



72.9375, 0.3435, 0.5146



92.4326, 0.3255, 0.3819



47.5911, 0.4576, 0.4124



19.5825, 0.3272, 0.3900



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.



72.9375, 0.3435, 0.5146



78.3958, 0.3422, 0.5446



67.3395, 0.3019, 0.5372



18.8602, 0.3188, 0.3530



37.3007, 0.3336, 0.5733



3.3391, 0.3431, 0.5657

Inverse Universe

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



21.3670, 0.2466, 0.1474



17.5311, 0.2300, 0.1187



32.1092, 0.3222, 0.1831



16.3526, 0.3061, 0.3051



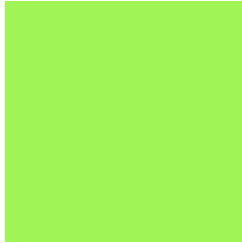
6.1059, 0.2067, 0.0912



0.5978, 0.2199, 0.0985

Previews

White Background



This preview shows how the Yxy color 72.9343, 0.3435, 0.5146 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 72.9343, 0.3435, 0.5146 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 72.9343, 0.3435, 0.5146

Background



This preview shows how black text looks on a background with the Yxy color 72.9343, 0.3435, 0.5146.



This preview shows how white text looks on a background with the Yxy color 72.9343, 0.3435, 0.5146.

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

72.9343, 0.3435, 0.5146

Protanopia

72.0516, 0.4220, 0.4633

Deuteranopia

71.8218, 0.3848, 0.3867



Tritanopia

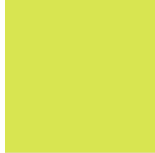
72.3926, 0.2733, 0.3077

Trichromacy



Original Color

72.9343, 0.3435, 0.5146



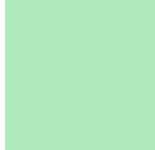
Protanomaly

71.2316, 0.3919, 0.4828



Deuteranomaly

70.8613, 0.3718, 0.4330



Tritanomaly

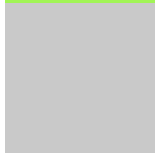
71.7066, 0.3023, 0.3844

Monochromacy



Original Color

72.9343, 0.3435, 0.5146



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.5680, 0.3288, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9343, 0.3435, 0.5146 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(161, 244, 85)` looks like.

```
.text, #text, p{  
    color:rgb(161, 244, 85)  
}
```

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(161, 244, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 244, 85) }
```

Border

The CSS property to change the border of an element to Yxy 72.9343, 0.3435, 0.5146 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(161, 244, 85) }
```

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

```
.border{ border-color:rgb(161, 244, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 244, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 244, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 244, 85);  
box-shadow:4px 4px 4px 4px rgb(161, 244,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9343, 0.3435, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 244, 85) }
```

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

```
.background{ background-color: rgb(161,  
244, 85) }
```

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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