

Converting Colors

$Yxy(61.5572, 0.3424, 0.5193)$

Have a look what the booklet for
Yxy(61.5572, 0.3424, 0.5193)
contains.

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Color

Yxy(61.5572, 0.3424, 0.5193)

Conversions

Conversions Part 1

Format	Color
Hex	92E34B
RGB	146, 227, 75
RGB Percent	57%, 89%, 29%
CMY	0.4276, 0.1098, 0.7060
CMYK	0.36, 0.00, 0.67, 0.11
HSL	92°, 73%, 59%
HSV	92°, 67%, 89%
XYZ	40.5877, 61.5572, 16.3939
YIQ	185.4530, 0.5160, -64.4440

Conversions

Conversions Part 2

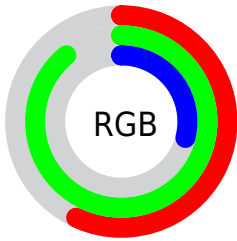
Format	Color
RYB	75, 227, 156
Decimal	9626443
CIELab	82.68, -48.81, 63.73
CIELCh	83, 80.279, 127.448
Yxy	61.5572, 0.3424, 0.5193
Android (android.graphics.Color)	4287816523 (0xFF92E34B)
YUV	185.4530, -54.4533, -34.6003
Hunter-Lab	78.4584, -44.9615, 42.5322

Details

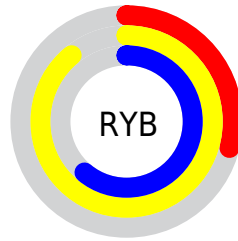
The Yxy color **61.5572, 0.3424, 0.5193** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **17.6458, 0.2462, 0.1444**, and the grayscale version is **49.0864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9961, 0.3493, 0.4638**, and **31.2027, 0.3389, 0.5687** is the 20% darker color. If you saturate the color by 10%, you get **60.2520, 0.3413, 0.5425**, and if you desaturate by 10%, it is **63.0960, 0.3414, 0.4921**.

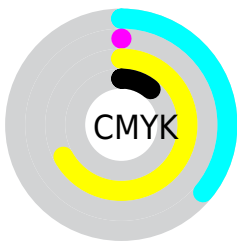
Distribution



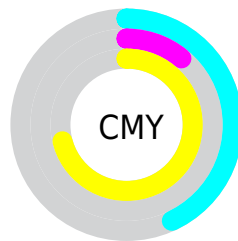
- Red (57%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)




- Cyan (43%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5572, 0.3424, 0.5193 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 61.5572, 0.3424, 0.5193 by changing the saturation by 10% instead.


 61.5572, 0.3424,
0.5193


 61.5572, 0.3424,
0.5193


430.3141, 0.3351,
0.4245


 44.6750, 0.3416,
0.5415


 107.0853, 0.3417,
0.4857

 31.2015, 0.3391,
0.5687


 136.5000, 0.3409,
0.4728


 20.7523, 0.3333,
0.6021


 170.8610, 0.3399,
0.4617

 12.9431, 0.3217,
0.6440

 210.5527, 0.3389,
0.4522

 7.3894, 0.3004,
0.6996

 255.9594, 0.3379,
0.4439

 3.7068, 0.2516,
0.7484

307.4656, 0.3369,

 1.5109, 0.0861,

0.4367

0.9139

365.4557, 0.3360,
0.4303

■ 0.2964, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.5572, 0.3424,
0.5193

■ 61.5572, 0.3424,
0.5193

■ 60.2520, 0.3413,
0.5425

■ 63.0960, 0.3414,
0.4921

■ 59.1562, 0.3380,
0.5603

■ 64.8745, 0.3386,
0.4625


■ 58.2528, 0.3330,
0.5722


■ 66.9079, 0.3343,
0.4319

■ 58.0084, 0.3313,
0.5751


■ 69.2080, 0.3291,
0.4018

 71.7856, 0.3232,
0.3731

 74.6508, 0.3170,
0.3463

 77.8132, 0.3108,
0.3218

 81.1794, 0.3058,
0.3012

 83.4014, 0.3139,
0.3019

Harmonies

Analogous

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



61.5572, 0.4312, 0.4886



61.5572, 0.3424, 0.5193



61.5572, 0.2508, 0.4688

Triad

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



61.5572, 0.3424, 0.5193



61.5572, 0.1523, 0.2007



61.5572, 0.4555, 0.2864

Complementary

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



61.5572, 0.3424, 0.5193



17.6458, 0.2462, 0.1444

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.



61.5572, 0.3553, 0.2308



61.5572, 0.3424, 0.5193



61.5572, 0.1870, 0.1830

Square

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



61.5572, 0.3424, 0.5193



61.5572, 0.1496, 0.2561



61.5572, 0.2559, 0.1944



61.5572, 0.5088, 0.3521

Rectangle

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



61.5572, 0.3424, 0.5193



61.5572, 0.2008, 0.3953



61.5572, 0.2559, 0.1944



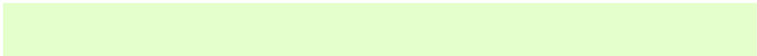
61.5572, 0.4250, 0.2663

Sweetspot

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



61.5599, 0.3424, 0.5193



92.3430, 0.3251, 0.3820



39.7960, 0.4618, 0.4136



19.5611, 0.3268, 0.3901



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.



61.5599, 0.3424, 0.5193



77.8931, 0.3404, 0.5494



56.9824, 0.3017, 0.5419



16.4173, 0.3186, 0.3528



33.8949, 0.3324, 0.5743



2.5596, 0.3437, 0.5653

Inverse Universe

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



17.6458, 0.2462, 0.1444



17.0353, 0.2294, 0.1160



26.7694, 0.3224, 0.1809



14.2635, 0.3064, 0.3053



5.6757, 0.2092, 0.0926



0.4746, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 61.5572, 0.3424, 0.5193 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 61.5572, 0.3424, 0.5193 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 61.5572, 0.3424, 0.5193

Background



This preview shows how black text looks on a background with the Yxy color 61.5572, 0.3424, 0.5193.



This preview shows how white text looks on a background with the Yxy color 61.5572, 0.3424, 0.5193.

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

61.5572, 0.3424, 0.5193

Protanopia

60.7503, 0.4234, 0.4658

Deuteranopia

60.7729, 0.4430, 0.4338



Tritanopia

61.0689, 0.2719, 0.3085

Trichromacy



Original Color

61.5572, 0.3424, 0.5193



Protanomaly

60.1855, 0.3920, 0.4866



Deuteranomaly

59.6819, 0.4042, 0.4651



Tritanomaly

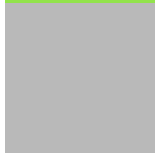
60.1164, 0.3010, 0.3863

Monochromacy



Original Color

61.5572, 0.3424, 0.5193



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.0108, 0.3295, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5572, 0.3424, 0.5193 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(146, 227, 75)` looks like.

```
.text, #text, p{  
    color:rgb(146, 227, 75)  
}
```

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(146, 227, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 227, 75) }
```

Border

The CSS property to change the border of an element to Yxy 61.5572, 0.3424, 0.5193 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(146, 227, 75) }
```

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

```
.border{ border-color:rgb(146, 227, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 227, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 227, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 227, 75);  
box-shadow:4px 4px 4px 4px rgb(146, 227,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5572, 0.3424, 0.5193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 227, 75) }
```

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

```
.background{ background-color: rgb(146,  
227, 75) }
```

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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