

# Converting Colors

Yxy(61.2356, 0.3345, 0.4621)

Have a look what the booklet for  
Yxy(61.2356, 0.3345, 0.4621)  
contains.

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# Color

**Yxy(61.2558, 0.3346, 0.4621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2DE77
RGB	162, 222, 119
RGB Percent	64%, 87%, 47%
CMY	0.3647, 0.1294, 0.5332
CMYK	0.27, 0.00, 0.46, 0.13
HSL	95°, 61%, 67%
HSV	95°, 46%, 87%
XYZ	44.3544, 61.2558, 26.9494
YIQ	192.3180, -2.6970, -44.7530

# Conversions

## Conversions Part 2

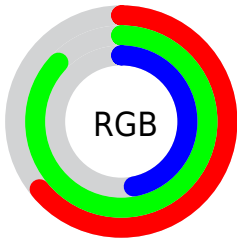
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 222, 179
Decimal	10673783
CIELab	82.52, -36.81, 44.28
CIELCh	83, 57.586, 129.737
Yxy	61.2558, 0.3346, 0.4621
Android (android.graphics.Color)	4288863863 (0xFFA2DE77)
YUV	192.3180, -36.1458, -26.5889
Hunter-Lab	78.2661, -35.8073, 34.3709

# Details

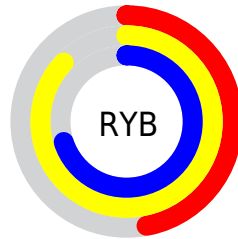
The Yxy color **61.2558, 0.3346, 0.4621** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.0635, 0.2762, 0.2020**, and the grayscale version is **53.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5972, 0.3371, 0.4165**, and **30.8156, 0.3352, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **59.4999, 0.3368, 0.4926**, and if you desaturate by 10%, it is **63.2809, 0.3311, 0.4310**.

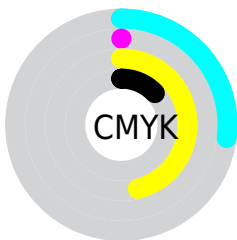
# Distribution



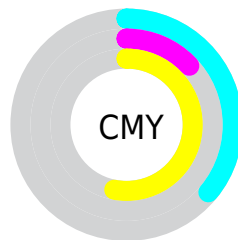
- Red (64%)
- Green (87%)
- Blue (47%)



- Red (47%)
- Yellow (87%)
- Blue (70%)



- Cyan (27%)
- Magenta (0%)
- Yellow (46%)
- Black (13%)




- Cyan (36%)
- Magenta (13%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2558, 0.3346, 0.4621 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 61.2558, 0.3346, 0.4621 by changing the saturation by 10% instead.





 61.2558, 0.3346,  
0.4621

 61.2558, 0.3346,  
0.4621


429.2113, 0.3271,  
0.3955

 44.4316, 0.3354,  
0.4784

 106.6492, 0.3327,  
0.4381

 31.0100, 0.3356,  
0.4989


 135.9873, 0.3317,  
0.4290

 20.6065, 0.3349,  
0.5253

 170.2654, 0.3308,  
0.4213

 12.8366, 0.3318,  
0.5604

209.8681, 0.3299,  
0.4146

 7.3162, 0.3234,  
0.6082

255.1796, 0.3291,  
0.4089

 3.6606, 0.3094,  
0.6906

306.5843, 0.3284,

 1.4856, 0.2197,

0.4039

0.7803

364.4668, 0.3277,  
0.3994

■ 0.2785, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.2558, 0.3346,  
0.4621

■ 61.2558, 0.3346,  
0.4621

■ 59.4999, 0.3368,  
0.4926

■ 63.2809, 0.3311,  
0.4310

■ 57.9923, 0.3373,  
0.5208

■ 65.5793, 0.3266,  
0.4005

■ 56.7213, 0.3358,  
0.5450


■ 68.1648, 0.3215,  
0.3716

■ 55.6706, 0.3324,  
0.5637


■ 71.0477, 0.3162,  
0.3448

 54.8207, 0.3273,  
0.5763

 74.2380, 0.3108,  
0.3205

 54.5524, 0.3253,  
0.5799

 77.7451, 0.3055,  
0.2986

 80.2621, 0.3125,  
0.2968

 80.7232, 0.3142,  
0.2970

# Harmonies

## Analogous

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



61.2558, 0.4015, 0.4529



61.2558, 0.3346, 0.4621



61.2558, 0.2655, 0.4201

# Triad

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



61.2558, 0.3346, 0.4621



61.2558, 0.1906, 0.2317



61.2558, 0.4200, 0.3033

# Complementary

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



61.2558, 0.3346, 0.4621



28.0635, 0.2762, 0.2020

# 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.



61.2558, 0.3508, 0.2577



61.2558, 0.3346, 0.4621



61.2558, 0.2210, 0.2172

# Square

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



61.2558, 0.3346, 0.4621



61.2558, 0.1874, 0.2744



61.2558, 0.2771, 0.2272



61.2558, 0.4566, 0.3567



# Rectangle

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



61.2558, 0.3346, 0.4621



61.2558, 0.2276, 0.3707



61.2558, 0.2771, 0.2272



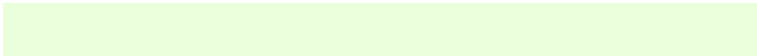
61.2558, 0.3993, 0.2869

# Sweetspot

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



61.2585, 0.3346, 0.4621



94.1765, 0.3203, 0.3653



48.4586, 0.4039, 0.3974



19.9813, 0.3215, 0.3713



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

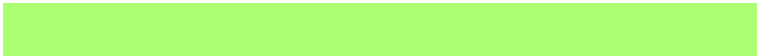


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.2585, 0.3346, 0.4621



81.4422, 0.3368, 0.4928



57.6716, 0.3023, 0.4650



15.6153, 0.3178, 0.3528



32.4646, 0.3264, 0.5791



2.3020, 0.3385, 0.5694



# Inverse Universe

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



28.0635, 0.2762, 0.2020



30.5081, 0.2655, 0.1743



33.6456, 0.3247, 0.2229



13.6357, 0.3072, 0.3054



5.9876, 0.2197, 0.0984



0.4673, 0.2349, 0.1068



# Previews

## White Background



This preview shows how the Yxy color 61.2558, 0.3346, 0.4621 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 61.2558, 0.3346, 0.4621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

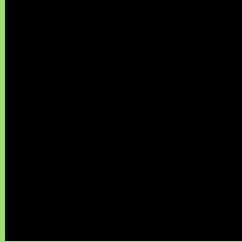
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.2558, 0.3346, 0.4621**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2558, 0.3346, 0.4621.



This preview shows how white text looks on a background with the Yxy color 61.2558, 0.3346, 0.4621.

# 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**

61.2558, 0.3346, 0.4621

**Protanopia**

60.8624, 0.3958, 0.4312

**Deuteranopia**

60.4673, 0.4123, 0.4026



## Tritanopia

61.1042, 0.2792, 0.3087

# Trichromacy



## Original Color

61.2558, 0.3346, 0.4621



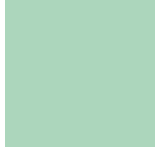
## Protanomaly

60.3829, 0.3722, 0.4429



## Deuteranomaly

59.8444, 0.3823, 0.4235



## Tritanomaly

60.4946, 0.2998, 0.3617

# Monochromacy



## Original Color

61.2558, 0.3346, 0.4621



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

55.2522, 0.3228, 0.3778

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2558, 0.3346, 0.4621 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(162, 222, 119)` looks like.

```
.text, #text, p{  
    color:rgb(162, 222, 119)  
}
```

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(162, 222, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 222, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2558, 0.3346, 0.4621 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(162, 222, 119) }
```

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

```
.border{ border-color:rgb(162, 222, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 222, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 222, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 222, 119);  
box-shadow:4px 4px 4px 4px rgb(162, 222,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2558, 0.3346, 0.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 222, 119) }
```

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

```
.background{ background-color: rgb(162,  
222, 119) }
```

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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