

# Converting Colors

Yxy(62.8933, 0.3614, 0.5297)

Have a look what the booklet for  
Yxy(62.8933, 0.3614, 0.5297)  
contains.

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# Color

**Yxy(62.8498, 0.3619, 0.5296)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | A2E332                      |
| RGB         | 162, 227, 50                |
| RGB Percent | 64%, 89%, 20%               |
| CMY         | 0.3646, 0.1098, 0.8042      |
| CMYK        | 0.29, 0.00, 0.78, 0.11      |
| HSL         | 82°, 76%, 54%               |
| HSV         | 82°, 78%, 89%               |
| XYZ         | 42.9482, 62.8498, 12.8761   |
| YIQ         | 187.3870, 18.0770, -68.8270 |

# Conversions

## Conversions Part 2

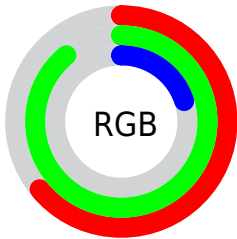
| <b>Format</b>                       | <b>Color</b>                                     |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">50, 227, 115</a>                     |
| Decimal                             | <a href="#">10674994</a>                         |
| CIELab                              | <a href="#">83.36, -44.61, 73.15</a>             |
| CIElCh                              | <a href="#">83, 85.676, 121.376</a>              |
| Yxy                                 | <a href="#">62.8498, 0.3619,<br/>0.5296</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4288865074<br/>(0xFFA2E332)</a>      |
| YUV                                 | <a href="#">187.3870, -67.7318,<br/>-22.2644</a> |
| Hunter-Lab                          | <a href="#">79.2779, -42.0353,<br/>45.8648</a>   |

# Details

The Yxy color **62.8498, 0.3619, 0.5296** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **11.4591, 0.2057, 0.1069**, and the grayscale version is **50.3072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0398, 0.3702, 0.4761**, and **32.0689, 0.3528, 0.5581** is the 20% darker color. If you saturate the color by 10%, you get **61.8593, 0.3603, 0.5444**, and if you desaturate by 10%, it is **64.0006, 0.3610, 0.5099**.

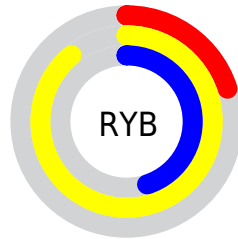
# Distribution



Red (64%)

Green (89%)

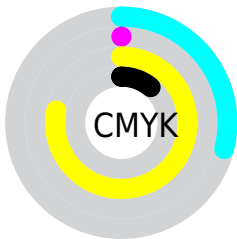
Blue (20%)



Red (20%)

Yellow (89%)

Blue (45%)

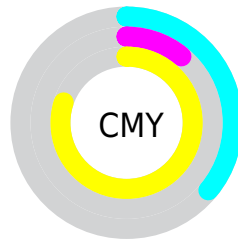


Cyan (29%)

Magenta (0%)

Yellow (78%)

Black (11%)



Cyan (36%)

Magenta (11%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8498, 0.3619, 0.5296 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 62.8498, 0.3619, 0.5296 by changing the saturation by 10% instead.





 62.8498, 0.3619,  
0.5296


 62.8498, 0.3619,  
0.5296


435.0242, 0.3474,  
0.4326


 45.7197, 0.3620,  
0.5510


 108.9528, 0.3592,  
0.4961


 32.0247, 0.3603,  
0.5764


 138.6945, 0.3574,  
0.4830


 21.3804, 0.3549,  
0.6064


 173.4088, 0.3556,  
0.4716

 13.4023, 0.3466,  
0.6479

 213.4802, 0.3538,  
0.4617

 7.7062, 0.3194,  
0.6806

 259.2931, 0.3521,  
0.4531

 3.9075, 0.2757,  
0.7243

311.2317, 0.3504,

 1.6220, 0.1636,

0.4454

0.8364

369.6806, 0.3488,  
0.4386

■ 0.3723, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.8498, 0.3619,  
0.5296

■ 62.8498, 0.3619,  
0.5296

■ 61.8593, 0.3603,  
0.5444

■ 64.0006, 0.3610,  
0.5099

■ 61.0019, 0.3565,  
0.5542


■ 65.3172, 0.3577,  
0.4861


■ 60.8417, 0.3556,  
0.5559


■ 66.8140, 0.3524,  
0.4595


■ 68.5016, 0.3455,  
0.4314

 70.3896, 0.3374,  
0.4030

 72.4867, 0.3287,  
0.3753

 74.8010, 0.3198,  
0.3489

 77.3403, 0.3110,  
0.3242

 80.1118, 0.3024,  
0.3016

# Harmonies

## Analogous

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



62.8498, 0.4519, 0.4824



62.8498, 0.3619, 0.5296



62.8498, 0.2648, 0.4972

# Triad

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



62.8498, 0.3619, 0.5296



62.8498, 0.1420, 0.2021



62.8498, 0.4448, 0.2708

# Complementary

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



62.8498, 0.3619, 0.5296



11.4591, 0.2057, 0.1069

# 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.



62.8498, 0.3344, 0.2165



62.8498, 0.3619, 0.5296



62.8498, 0.1710, 0.1773

# Square

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



62.8498, 0.3619, 0.5296



62.8498, 0.1456, 0.2687



62.8498, 0.2351, 0.1837



62.8498, 0.5143, 0.3372



# Rectangle

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



62.8498, 0.3619, 0.5296



62.8498, 0.2086, 0.4251



62.8498, 0.2351, 0.1837



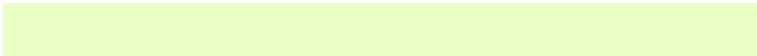
62.8498, 0.4098, 0.2509

# Sweetspot

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



62.8526, 0.3619, 0.5296



92.9261, 0.3333, 0.3894



28.7889, 0.5206, 0.3906



19.6818, 0.3364, 0.3996



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.



62.8526, 0.3619, 0.5296



79.7762, 0.3579, 0.5513



56.6057, 0.3091, 0.5675



16.5390, 0.3211, 0.3526



35.5512, 0.3565, 0.5551



2.6793, 0.3657, 0.5478



# Inverse Universe

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



11.4591, 0.2057, 0.1069



10.4686, 0.1839, 0.0807



20.5725, 0.2947, 0.1525



14.1433, 0.3037, 0.3051



4.3753, 0.1796, 0.0763



0.3746, 0.1958, 0.0853



# Previews

## White Background



This preview shows how the Yxy color 62.8498, 0.3619, 0.5296 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 62.8498, 0.3619, 0.5296 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 62.8498, 0.3619, 0.5296**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8498, 0.3619, 0.5296.



This preview shows how white text looks on a background with the Yxy color 62.8498, 0.3619, 0.5296.

# 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

62.8498, 0.3619, 0.5296

### Protanopia

62.1387, 0.4337, 0.4779

### Deuteranopia

61.9138, 0.4406, 0.4330



## Tritanopia

62.2572, 0.2820, 0.3090

# Trichromacy



**Original Color**

62.8498, 0.3619, 0.5296

**Protanomaly**

61.5638, 0.4063, 0.4974

**Deuteranomaly**

60.9919, 0.4119, 0.4683

**Tritanomaly**

61.3840, 0.3180, 0.3976

# Monochromacy



**Original Color**

62.8498, 0.3619, 0.5296

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

53.5122, 0.3406, 0.4142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8498, 0.3619, 0.5296 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, 227, 50)` looks like.

```
.text, #text, p{  
    color:rgb(162, 227, 50)  
}
```

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, 227, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 227, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8498, 0.3619, 0.5296 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, 227, 50) }
```

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

```
.border{ border-color:rgb(162, 227, 50) }
```

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

Here you see how a box with a 4 pixel rgb(162, 227, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 227, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 227, 50);  
box-shadow:4px 4px 4px 4px rgb(162, 227,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8498, 0.3619, 0.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 227, 50) }
```

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

```
.background{ background-color: rgb(162,  
227, 50) }
```

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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