

# Converting Colors

$Y_{xy}(62.6575, 0.3456, 0.5638)$

Have a look what the booklet for  
Yxy(62.6575, 0.3456, 0.5638)  
contains.

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# Color

**Yxy(62.6188, 0.3455, 0.5639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84E800
RGB	132, 232, 0
RGB Percent	52%, 91%, 0%
CMY	0.4825, 0.0901, 1.0000
CMYK	0.43, 0.00, 1.00, 0.09
HSL	86°, 100%, 45%
HSV	86°, 100%, 91%
XYZ	38.3664, 62.6188, 10.0608
YIQ	175.6520, 14.8720, -93.3520

# Conversions

## Conversions Part 2

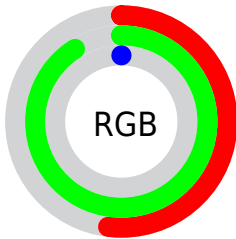
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 100
Decimal	8710144
CIELab	83.24, -58.24, 80.69
CIELCh	83, 99.513, 125.822
Yxy	62.6188, 0.3455, 0.5639
Android (android.graphics.Color)	4286900224 (0xFF84E800)
YUV	175.6520, -86.5964, -38.2828
Hunter-Lab	79.1320, -51.9372, 47.8544

# Details

The Yxy color **62.6188, 0.3455, 0.5639** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **8.5396, 0.1883, 0.0811**, and the grayscale version is **43.6752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5787, 0.3597, 0.5048**, and **31.8889, 0.3231, 0.5817** is the 20% darker color. If you saturate the color by 10%, you get **62.6217, 0.3455, 0.5639**, and if you desaturate by 10%, it is **63.5298, 0.3503, 0.5541**.

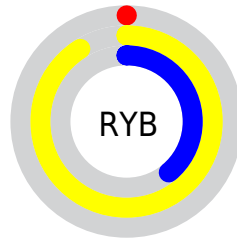
# Distribution



Red (52%)

Green (91%)

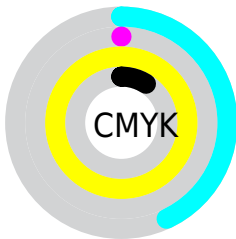
Blue (0%)



Red (0%)

Yellow (91%)

Blue (39%)

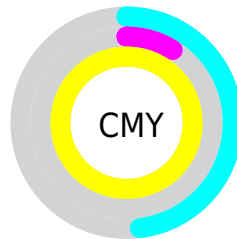


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (48%)

Magenta (9%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6188, 0.3455, 0.5639 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 62.6188, 0.3455, 0.5639 by changing the saturation by 10% instead.



 62.6188, 0.3455,  
0.5639

 62.6188, 0.3455,  
0.5639


434.1847, 0.3420,  
0.4494

 45.5329, 0.3421,  
0.5890


 108.6194, 0.3475,  
0.5245


 31.8774, 0.3354,  
0.6184


 138.3028, 0.3473,  
0.5089


 21.2679, 0.3235,  
0.6527


 172.9542, 0.3467,  
0.4955

 13.3199, 0.3042,  
0.6958

 212.9580, 0.3459,  
0.4838

 7.6492, 0.2664,  
0.7336

 258.6986, 0.3450,  
0.4735

 3.8713, 0.2113,  
0.7887

 310.5603, 0.3440,

 1.6018, 0.0000,

0.4645

1.0000

368.9275, 0.3430,  
0.4565

■ 0.3588, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.6188, 0.3455,  
0.5639

■ 62.6188, 0.3455,  
0.5639

■ 62.6217, 0.3455,  
0.5639

■ 63.5298, 0.3503,  
0.5541

■ 64.5924, 0.3532,  
0.5393

■ 65.8355, 0.3538,  
0.5194

■ 67.2749, 0.3520,  
0.4951

68.9240, 0.3482,  
0.4678

70.7951, 0.3426,  
0.4388

72.8989, 0.3359,  
0.4096

75.2457, 0.3284,  
0.3811

77.8446, 0.3206,  
0.3541

# Harmonies

## Analogous

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



62.6188, 0.4500, 0.5086



62.6188, 0.3455, 0.5639



62.6188, 0.2388, 0.5139

# Triad

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



62.6188, 0.3455, 0.5639



62.6188, 0.1255, 0.1783



62.6188, 0.4820, 0.2716

# Complementary

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



62.6188, 0.3455, 0.5639



8.5396, 0.1883, 0.0811

# 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.



62.6188, 0.3557, 0.2101



62.6188, 0.3455, 0.5639



62.6188, 0.1617, 0.1587

# Square

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



62.6188, 0.3455, 0.5639



62.6188, 0.1229, 0.2421



62.6188, 0.2377, 0.1705



62.6188, 0.5488, 0.3438



# Rectangle

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



62.6188, 0.3455, 0.5639



62.6188, 0.1804, 0.4190



62.6188, 0.2377, 0.1705



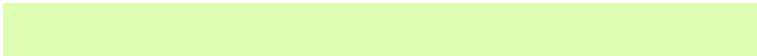
62.6188, 0.4432, 0.2493

# Sweetspot

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



62.6217, 0.3455, 0.5639



90.2853, 0.3360, 0.4101



25.6467, 0.5673, 0.3877



19.0810, 0.3389, 0.4224



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.



62.6217, 0.3455, 0.5639



77.5422, 0.3452, 0.5641



57.8618, 0.3015, 0.5988



16.4916, 0.3201, 0.3527



34.8369, 0.3466, 0.5630



2.6289, 0.3568, 0.5549



# Inverse Universe

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



8.5396, 0.1883, 0.0811



10.5333, 0.1878, 0.0808



19.9249, 0.2998, 0.1425



14.1895, 0.3047, 0.3052



4.8115, 0.1899, 0.0820

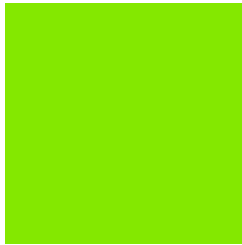


0.4095, 0.2063, 0.0910



# Previews

## White Background



This preview shows how the Yxy color 62.6188, 0.3455, 0.5639 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 62.6188, 0.3455, 0.5639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

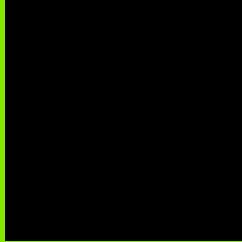
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

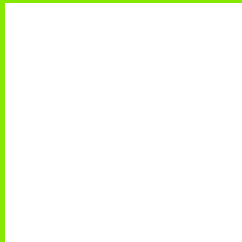
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.6188, 0.3455, 0.5639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6188, 0.3455, 0.5639.



This preview shows how white text looks on a background with the Yxy color 62.6188, 0.3455, 0.5639.

# 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

62.6188, 0.3455, 0.5639

### Protanopia

61.9493, 0.4407, 0.4883

### Deuteranopia

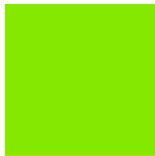
61.7866, 0.4450, 0.4386



## Tritanopia

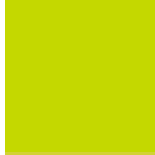
62.3659, 0.2649, 0.3084

# Trichromacy



## Original Color

62.6188, 0.3455, 0.5639



## Protanomaly

60.8475, 0.4030, 0.5182



## Deuteranomaly

60.0428, 0.4102, 0.4902



## Tritanomaly

60.7702, 0.3087, 0.4278

# Monochromacy



## Original Color

62.6188, 0.3455, 0.5639



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

48.1233, 0.3443, 0.4458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6188, 0.3455, 0.5639 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(132, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 232, 0)  
}
```

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(132, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 232, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6188, 0.3455, 0.5639 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(132, 232, 0) }
```

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

```
.border{ border-color:rgb(132, 232, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 232,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6188, 0.3455, 0.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 232, 0) }
```

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

```
.background{ background-color: rgb(132,  
232, 0) }
```

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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