

# Converting Colors

$Y_{xy}(62.0358, 0.3530, 0.5579)$

Have a look what the booklet for  
Yxy(62.0358, 0.3530, 0.5579)  
contains.

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**Color**

**Yxy(62.3444, 0.3530, 0.5579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EE600
RGB	142, 230, 0
RGB Percent	56%, 90%, 0%
CMY	0.4433, 0.0980, 0.9996
CMYK	0.38, 0.00, 1.00, 0.10
HSL	83°, 100%, 45%
HSV	83°, 100%, 90%
XYZ	39.4472, 62.3444, 9.9568
YIQ	177.4680, 21.3820, -90.1860

# Conversions

## Conversions Part 2

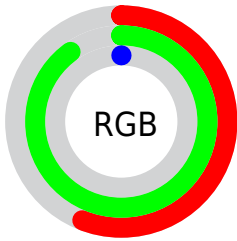
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 230, 88
Decimal	9364992
CIELab	83.10, -54.18, 80.75
CIELCh	83, 97.242, 123.859
Yxy	62.3444, 0.3530, 0.5579
Android (android.graphics.Color)	4287555072 (0xFF8EE600)
YUV	177.4680, -87.4917, -31.1054
Hunter-Lab	78.9585, -48.9998, 47.7944

# Details

The Yxy color **62.3444, 0.3530, 0.5579** 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 **7.7987, 0.1805, 0.0768**, and the grayscale version is **44.6904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7811, 0.3662, 0.5017**, and **32.0214, 0.3323, 0.5743** is the 20% darker color. If you saturate the color by 10%, you get **62.3432, 0.3530, 0.5579**, and if you desaturate by 10%, it is **63.2192, 0.3573, 0.5486**.

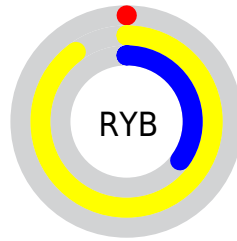
# Distribution



Red (56%)

Green (90%)

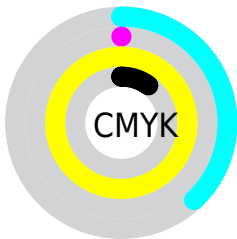
Blue (0%)



Red (0%)

Yellow (90%)

Blue (35%)

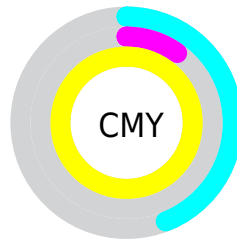


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (44%)

Magenta (10%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3444, 0.3530, 0.5579 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 62.3444, 0.3530, 0.5579 by changing the saturation by 10% instead.





 62.3444, 0.3530,  
0.5579

 62.3444, 0.3530,  
0.5579

433.1862, 0.3457,  
0.4471

 45.3110, 0.3505,  
0.5819


 108.2231, 0.3536,  
0.5199

 31.7025, 0.3450,  
0.6100


 137.8373, 0.3529,  
0.5049

 21.1344, 0.3344,  
0.6426


 172.4138, 0.3519,  
0.4919

 13.2223, 0.3169,  
0.6831

 212.3372, 0.3507,  
0.4805

 7.5818, 0.2813,  
0.7187

 257.9917, 0.3494,  
0.4706

 3.8285, 0.2289,  
0.7711

 309.7618, 0.3481,

 1.5781, 0.0339,

0.4618

0.9661

368.0318, 0.3469,  
0.4540

■ 0.3428, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3444, 0.3530,  
0.5579

■ 62.3444, 0.3530,  
0.5579

■ 62.3432, 0.3530,  
0.5579

■ 63.2192, 0.3573,  
0.5486

■ 64.2280, 0.3596,  
0.5346

■ 65.3982, 0.3595,  
0.5155

■ 66.7446, 0.3569,  
0.4921

■ 68.2800, 0.3522,  
0.4656

■ 70.0155, 0.3458,  
0.4374

■ 71.9614, 0.3383,  
0.4088

■ 74.1270, 0.3299,  
0.3807

■ 76.5209, 0.3213,  
0.3539

# Harmonies

## Analogous

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



62.3444, 0.4548, 0.5012



62.3444, 0.3530, 0.5579



62.3444, 0.2472, 0.5163

# Triad

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



62.3444, 0.3530, 0.5579



62.3444, 0.1271, 0.1836



62.3444, 0.4715, 0.2685

# Complementary

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



62.3444, 0.3530, 0.5579



7.7987, 0.1805, 0.0768

# 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.



62.3444, 0.3466, 0.2087



62.3444, 0.3530, 0.5579



62.3444, 0.1607, 0.1615

# Square

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



62.3444, 0.3530, 0.5579



62.3444, 0.1269, 0.2503



62.3444, 0.2330, 0.1713



62.3444, 0.5426, 0.3396



# Rectangle

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



62.3444, 0.3530, 0.5579



62.3444, 0.1879, 0.4270



62.3444, 0.2330, 0.1713



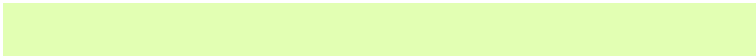
62.3444, 0.4325, 0.2467

# Sweetspot

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



62.3471, 0.3530, 0.5579



90.8748, 0.3384, 0.4094



23.2289, 0.5812, 0.3767



19.2212, 0.3418, 0.4216



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.



62.3471, 0.3530, 0.5579



78.7218, 0.3526, 0.5582



56.8877, 0.3031, 0.5975



16.5271, 0.3209, 0.3526



35.3637, 0.3540, 0.5571



2.6663, 0.3634, 0.5496



# Inverse Universe

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



7.7987, 0.1805, 0.0768



9.7981, 0.1799, 0.0765



17.9072, 0.2870, 0.1355



14.1548, 0.3040, 0.3051



4.4766, 0.1820, 0.0776

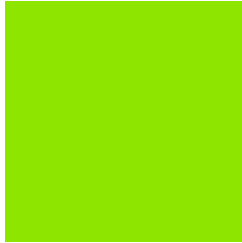


0.3829, 0.1984, 0.0866



# Previews

## White Background



This preview shows how the Yxy color 62.3444, 0.3530, 0.5579 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 62.3444, 0.3530, 0.5579 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 62.3444, 0.3530, 0.5579**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3444, 0.3530, 0.5579.



This preview shows how white text looks on a background with the Yxy color 62.3444, 0.3530, 0.5579.

# 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

62.3444, 0.3530, 0.5579

### Protanopia

61.2984, 0.4408, 0.4882

### Deuteranopia

61.3044, 0.4468, 0.4390



## Tritanopia

62.0781, 0.2704, 0.3085

# Trichromacy



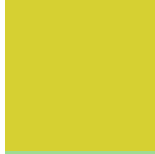
## Original Color

62.3444, 0.3530, 0.5579



## Protanomaly

60.7430, 0.4062, 0.5156



## Deuteranomaly

59.6382, 0.4157, 0.4874



## Tritanomaly

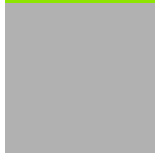
60.5621, 0.3156, 0.4252

# Monochromacy



## Original Color

62.3444, 0.3530, 0.5579



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.5646, 0.3470, 0.4432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3444, 0.3530, 0.5579 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(142, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 230, 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(142, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 230, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3444, 0.3530, 0.5579 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(142, 230, 0) }
```

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

```
.border{ border-color:rgb(142, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 230,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3444, 0.3530, 0.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 230, 0) }
```

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

```
.background{ background-color: rgb(142,  
230, 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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