

# Converting Colors

Yxy(63.2413, 0.3435, 0.5598)

Have a look what the booklet for  
Yxy(63.2413, 0.3435, 0.5598)  
contains.

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# Color

**Yxy(63.2413, 0.3435, 0.5598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84E916
RGB	132, 233, 22
RGB Percent	52%, 91%, 9%
CMY	0.4822, 0.0863, 0.9134
CMYK	0.43, 0.00, 0.91, 0.09
HSL	89°, 83%, 50%
HSV	89°, 91%, 91%
XYZ	38.8056, 63.2413, 10.9243
YIQ	178.7470, 7.5350, -87.0330

# Conversions

## Conversions Part 2

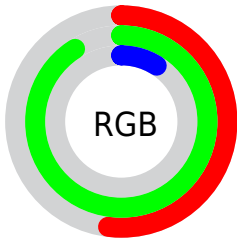
Format	Color
<a href="#">RYB</a>	<a href="#">22, 233, 123</a>
Decimal	<a href="#">8710422</a>
CIELab	<a href="#">83.57, -58.25, 78.74</a>
CIELCh	<a href="#">84, 97.942, 126.494</a>
Yxy	<a href="#">63.2413, 0.3435, 0.5598</a>
Android (android.graphics.Color)	<a href="#">4286900502 (0xFF84E916)</a>
YUV	<a href="#">178.7470, -77.2763, -40.9971</a>
Hunter-Lab	<a href="#">79.5244, -52.0648, 47.5224</a>

# Details

The Yxy color **63.2413, 0.3435, 0.5598** 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 **10.6744, 0.2073, 0.0955**, and the grayscale version is **45.3666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5527, 0.3568, 0.5005**, and **32.3159, 0.3235, 0.5814** is the 20% darker color. If you saturate the color by 10%, you get **62.3756, 0.3386, 0.5694**, and if you desaturate by 10%, it is **64.3264, 0.3470, 0.5447**.

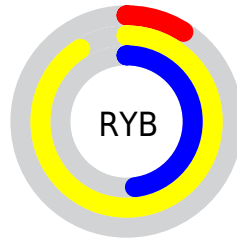
# Distribution



Red (52%)

Green (91%)

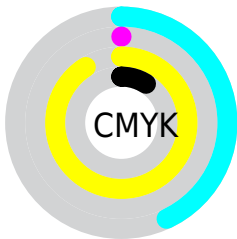
Blue (9%)



Red (9%)

Yellow (91%)

Blue (48%)

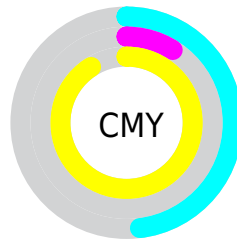


Cyan (43%)

Magenta (0%)

Yellow (91%)

Black (9%)



Cyan (48%)

Magenta (9%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2413, 0.3435, 0.5598 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 63.2413, 0.3435, 0.5598 by changing the saturation by 10% instead.





 63.2413, 0.3435,  
0.5598

 63.2413, 0.3435,  
0.5598


436.4447, 0.3402,  
0.4469


 46.0364, 0.3403,  
0.5848


 109.5176, 0.3454,  
0.5207


 32.2746, 0.3340,  
0.6143


 139.3578, 0.3452,  
0.5054


 21.5713, 0.3226,  
0.6488


 174.1785, 0.3446,  
0.4922

 13.5423, 0.3052,  
0.6948

 214.3642, 0.3439,  
0.4807

 7.8030, 0.2678,  
0.7322

 260.2993, 0.3430,  
0.4706

 3.9691, 0.2134,  
0.7866


 312.3682, 0.3421,

 1.6563, 0.0035,


0.4618


0.9965


370.9552, 0.3412,  
0.4539

 0.3951, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 63.2413, 0.3435,  
0.5598

 63.2413, 0.3435,  
0.5598

 62.3756, 0.3386,  
0.5694


 64.3264, 0.3470,  
0.5447

 65.6069, 0.3484,  
0.5242


 67.1025, 0.3474,  
0.4992


 68.8278, 0.3444,  
0.4712

 70.7957, 0.3397,  
0.4416

 73.0181, 0.3338,  
0.4118

 75.5057, 0.3272,  
0.3829

 78.2687, 0.3202,  
0.3555

 81.3167, 0.3131,  
0.3303

# Harmonies

## Analogous

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



63.2413, 0.4467, 0.5083



63.2413, 0.3435, 0.5598



63.2413, 0.2383, 0.5072

# Triad

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



63.2413, 0.3435, 0.5598



63.2413, 0.1284, 0.1798



63.2413, 0.4813, 0.2743

# Complementary

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



63.2413, 0.3435, 0.5598



10.6744, 0.2073, 0.0955

# 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.



63.2413, 0.3580, 0.2130



63.2413, 0.3435, 0.5598



63.2413, 0.1651, 0.1609

# Square

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



63.2413, 0.3435, 0.5598



63.2413, 0.1252, 0.2419



63.2413, 0.2412, 0.1733



63.2413, 0.5452, 0.3461



# Rectangle

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



63.2413, 0.3435, 0.5598



63.2413, 0.1811, 0.4138



63.2413, 0.2412, 0.1733



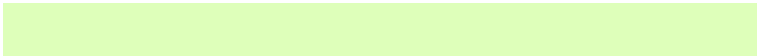
63.2413, 0.4436, 0.2521

# Sweetspot

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



63.2440, 0.3435, 0.5598



90.6083, 0.3316, 0.4019



30.9386, 0.5328, 0.4067



19.1778, 0.3339, 0.4119



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.



63.2440, 0.3435, 0.5598



76.5020, 0.3382, 0.5696



58.5977, 0.3013, 0.5925



17.2484, 0.3194, 0.3528



35.4685, 0.3397, 0.5685



2.8424, 0.3499, 0.5604



# Inverse Universe

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



10.6744, 0.2073, 0.0955



11.3616, 0.1963, 0.0855



22.6239, 0.3132, 0.1529



14.9026, 0.3055, 0.3052



5.3481, 0.1984, 0.0866

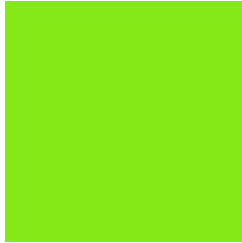


0.4769, 0.2136, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 63.2413, 0.3435, 0.5598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

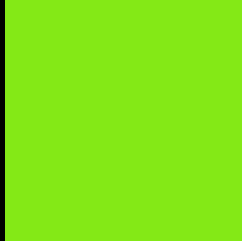
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2413, 0.3435, 0.5598 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

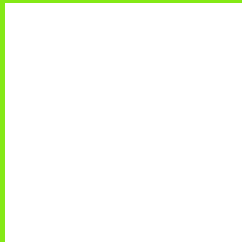
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.2413, 0.3435, 0.5598**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2413, 0.3435, 0.5598.



This preview shows how white text looks on a background with the Yxy color 63.2413, 0.3435, 0.5598.

# 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

63.2413, 0.3435, 0.5598

### Protanopia

62.1334, 0.4409, 0.4868

### Deuteranopia

62.3527, 0.4404, 0.4346



## Tritanopia

63.0398, 0.2650, 0.3085

# Trichromacy



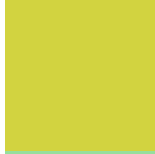
## Original Color

63.2413, 0.3435, 0.5598



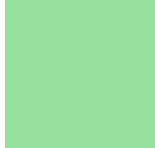
## Protanomaly

61.0086, 0.4029, 0.5158



## Deuteranomaly

60.6603, 0.4053, 0.4840



## Tritanomaly

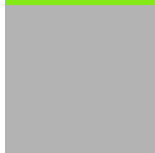
61.6937, 0.3040, 0.4164

# Monochromacy



## Original Color

63.2413, 0.3435, 0.5598



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

49.9334, 0.3384, 0.4351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2413, 0.3435, 0.5598 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, 233, 22)` looks like.

```
.text, #text, p{  
    color:rgb(132, 233, 22)  
}
```

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, 233, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 233, 22) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2413, 0.3435, 0.5598 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, 233, 22) }
```

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

```
.border{ border-color:rgb(132, 233, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 233, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 233, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 233, 22);  
box-shadow:4px 4px 4px 4px rgb(132, 233,  
22) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2413, 0.3435, 0.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 233, 22) }
```

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

```
.background{ background-color: rgb(132,  
233, 22) }
```

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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