

# Converting Colors

Yxy(63.4558, 0.3483, 0.5454)

Have a look what the booklet for  
Yxy(63.4558, 0.3483, 0.5454)  
contains.

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# Color

**Yxy(63.1659, 0.3482, 0.5452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FE72B
RGB	143, 231, 43
RGB Percent	56%, 91%, 17%
CMY	0.4391, 0.0941, 0.8314
CMYK	0.38, 0.00, 0.81, 0.09
HSL	88°, 80%, 54%
HSV	88°, 81%, 91%
XYZ	40.3418, 63.1659, 12.3505
YIQ	183.2560, 7.9000, -77.1240

# Conversions

## Conversions Part 2

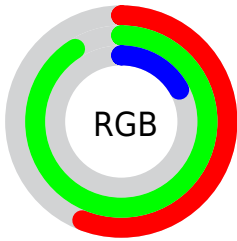
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 231, 131
Decimal	9430827
CIELab	83.53, -53.25, 74.79
CIELCh	84, 91.808, 125.450
Yxy	63.1659, 0.3482, 0.5452
Android (android.graphics.Color)	4287620907 (0xFF8FE72B)
YUV	183.2560, -69.1462, -35.3045
Hunter-Lab	79.4770, -48.4796, 46.4204

# Details

The Yxy color **63.1659, 0.3482, 0.5452** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **12.3213, 0.2169, 0.1084**, and the grayscale version is **47.8893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1172, 0.3592, 0.4875**, and **32.4989, 0.3334, 0.5734** is the 20% darker color. If you saturate the color by 10%, you get **62.1254, 0.3446, 0.5596**, and if you desaturate by 10%, it is **64.4007, 0.3496, 0.5253**.

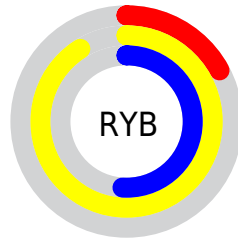
# Distribution



Red (56%)

Green (91%)

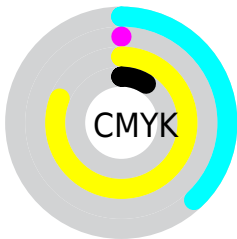
Blue (17%)



Red (17%)

Yellow (91%)

Blue (51%)

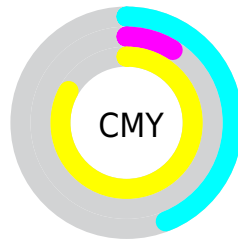


Cyan (38%)

Magenta (0%)

Yellow (81%)

Black (9%)



Cyan (44%)

Magenta (9%)


Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1659, 0.3482, 0.5452 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 63.1659, 0.3482, 0.5452 by changing the saturation by 10% instead.





 63.1659, 0.3482,  
0.5452


 63.1659, 0.3482,  
0.5452


436.1713, 0.3412,  
0.4394


 45.9754, 0.3463,  
0.5688


 109.4088, 0.3484,  
0.5085


 32.2264, 0.3420,  
0.5970


 139.2301, 0.3476,  
0.4941


 21.5345, 0.3331,  
0.6303


 174.0304, 0.3467,  
0.4817

 13.5153, 0.3208,  
0.6782

 214.1941, 0.3456,  
0.4709

 7.7843, 0.2867,  
0.7133

 260.1057, 0.3445,  
0.4616

 3.9572, 0.2360,  
0.7640

312.1494, 0.3433,

 1.6497, 0.0698,

0.4533

0.9302

370.7099, 0.3422,  
0.4460

■ 0.3907, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.1659, 0.3482,  
0.5452

■ 63.1659, 0.3482,  
0.5452

■ 62.1254, 0.3446,  
0.5596


■ 64.4007, 0.3496,  
0.5253


■ 61.3562, 0.3401,  
0.5681


■ 65.8383, 0.3486,  
0.5008

■ 67.4957, 0.3456,  
0.4732

■ 69.3854, 0.3409,  
0.4438

 71.5189, 0.3349,  
0.4142

 73.9068, 0.3282,  
0.3852

 76.5589, 0.3210,  
0.3578

 79.4844, 0.3137,  
0.3324

 82.6922, 0.3066,  
0.3091

# Harmonies

## Analogous

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



63.1659, 0.4458, 0.4988



63.1659, 0.3482, 0.5452



63.1659, 0.2472, 0.4979

# Triad

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



63.1659, 0.3482, 0.5452



63.1659, 0.1357, 0.1888



63.1659, 0.4677, 0.2757

# Complementary

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



63.1659, 0.3482, 0.5452



12.3213, 0.2169, 0.1084

# 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.



63.1659, 0.3516, 0.2170



63.1659, 0.3482, 0.5452



63.1659, 0.1703, 0.1687

# Square

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



63.1659, 0.3482, 0.5452



63.1659, 0.1343, 0.2510



63.1659, 0.2423, 0.1794



63.1659, 0.5314, 0.3452



# Rectangle

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



63.1659, 0.3482, 0.5452



63.1659, 0.1913, 0.4134



63.1659, 0.2423, 0.1794



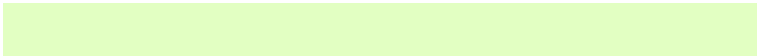
63.1659, 0.4319, 0.2544

# Sweetspot

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



63.1687, 0.3482, 0.5452



91.6329, 0.3301, 0.3930



33.3249, 0.5099, 0.4098



19.3830, 0.3325, 0.4034



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.



63.1687, 0.3482, 0.5452



76.9386, 0.3408, 0.5667



57.9870, 0.3024, 0.5789



16.4647, 0.3196, 0.3527



34.4710, 0.3412, 0.5673



2.6025, 0.3520, 0.5587



# Inverse Universe

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



12.3213, 0.2169, 0.1084



11.4721, 0.1965, 0.0862



23.4624, 0.3138, 0.1592



14.2161, 0.3053, 0.3052



5.0980, 0.1965, 0.0856



0.4316, 0.2126, 0.0945



# Previews

## White Background



This preview shows how the Yxy color 63.1659, 0.3482, 0.5452 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 63.1659, 0.3482, 0.5452 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 63.1659, 0.3482, 0.5452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1659, 0.3482, 0.5452.



This preview shows how white text looks on a background with the Yxy color 63.1659, 0.3482, 0.5452.

# 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

63.1659, 0.3482, 0.5452

### Protanopia

62.0829, 0.4357, 0.4809

### Deuteranopia

62.3864, 0.4393, 0.4331



## Tritanopia

62.7519, 0.2706, 0.3086

# Trichromacy



## Original Color

63.1659, 0.3482, 0.5452



## Protanomaly

61.5376, 0.4011, 0.5065



## Deuteranomaly

60.8704, 0.4056, 0.4749



## Tritanomaly

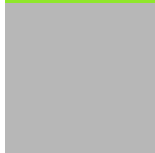
61.7282, 0.3065, 0.4045

# Monochromacy



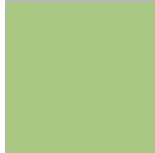
## Original Color

63.1659, 0.3482, 0.5452



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

51.2993, 0.3362, 0.4210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1659, 0.3482, 0.5452 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(143, 231, 43)` looks like.

```
.text, #text, p{  
    color:rgb(143, 231, 43)  
}
```

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(143, 231, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 231, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1659, 0.3482, 0.5452 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(143, 231, 43) }
```

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

```
.border{ border-color:rgb(143, 231, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 231, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 231, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 231, 43);  
box-shadow:4px 4px 4px 4px rgb(143, 231,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1659, 0.3482, 0.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 231, 43) }
```

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

```
.background{ background-color: rgb(143,  
231, 43) }
```

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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