

# Converting Colors

$Yxy(64.0658, 0.3494, 0.5597)$

Have a look what the booklet for  
Yxy(64.0658, 0.3494, 0.5597)  
contains.

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**Color**

**Yxy(63.7778, 0.3494, 0.5597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BE905
RGB	139, 233, 5
RGB Percent	55%, 91%, 2%
CMY	0.4549, 0.0863, 0.9799
CMYK	0.40, 0.00, 0.98, 0.09
HSL	85°, 96%, 47%
HSV	85°, 98%, 91%
XYZ	39.8141, 63.7778, 10.3581
YIQ	178.9020, 17.1640, -90.8360

# Conversions

## Conversions Part 2

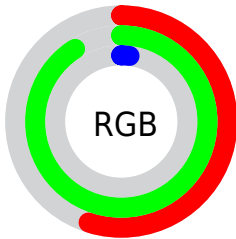
Format	Color
R <sub>Y</sub> B	5, 233, 99
Decimal	9169157
CIE Lab	83.85, -56.27, 80.86
CIE LCh	84, 98.511, 124.838
Yxy	63.7778, 0.3494, 0.5597
Android (android.graphics.Color)	4287359237 (0xFF8BE905)
YUV	178.9020, -85.7337, -34.9941
Hunter-Lab	79.8610, -50.7669, 48.2127

# Details

The Yxy color **63.7778, 0.3494, 0.5597** 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 **8.6544, 0.1874, 0.0814**, and the grayscale version is **45.4921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4003, 0.3634, 0.5015**, and **33.0221, 0.3284, 0.5774** is the 20% darker color. If you saturate the color by 10%, you get **63.5892, 0.3483, 0.5616**, and if you desaturate by 10%, it is **64.7194, 0.3538, 0.5493**.

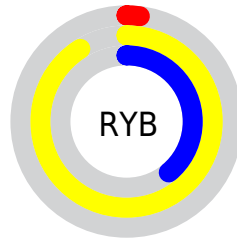
# Distribution



Red (55%)

Green (91%)

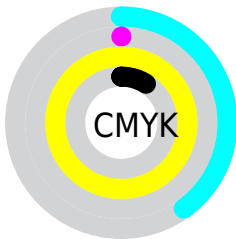
Blue (2%)



Red (2%)

Yellow (91%)

Blue (39%)

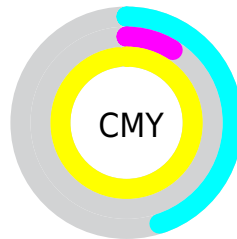


Cyan (40%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (45%)

Magenta (9%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7778, 0.3494, 0.5597 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 63.7778, 0.3494, 0.5597 by changing the saturation by 10% instead.





 63.7778, 0.3494,  
0.5597

 63.7778, 0.3494,  
0.5597


438.3868, 0.3438,  
0.4479


 46.4707, 0.3466,  
0.5840

 110.2909, 0.3506,  
0.5214

 32.6174, 0.3407,  
0.6124


 140.2657, 0.3501,  
0.5062

 21.8335, 0.3298,  
0.6454


 175.2318, 0.3493,  
0.4931

 13.7346, 0.3124,  
0.6876

 215.5737, 0.3483,  
0.4817

 7.9363, 0.2765,  
0.7235

 261.6758, 0.3472,  
0.4716

 4.0542, 0.2242,  
0.7758

 313.9224, 0.3460,

 1.7039, 0.0468,

0.4628

0.9532

372.6979, 0.3449,  
0.4550

■ 0.4262, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.7778, 0.3494,  
0.5597

■ 63.7778, 0.3494,  
0.5597


■ 63.5892, 0.3483,  
0.5616

■ 64.7194, 0.3538,  
0.5493


■ 65.8176, 0.3560,  
0.5337


■ 67.0954, 0.3557,  
0.5130


■ 68.5680, 0.3532,  
0.4883

 70.2484, 0.3486,  
0.4608

 72.1483, 0.3424,  
0.4320

 74.2782, 0.3352,  
0.4031

 76.6479, 0.3272,  
0.3750

 79.2667, 0.3191,  
0.3484

# Harmonies

## Analogous

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



63.7778, 0.4521, 0.5043



63.7778, 0.3494, 0.5597



63.7778, 0.2435, 0.5140

# Triad

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



63.7778, 0.3494, 0.5597



63.7778, 0.1269, 0.1816



63.7778, 0.4759, 0.2703

# Complementary

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



63.7778, 0.3494, 0.5597



8.6544, 0.1874, 0.0814

# 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.



63.7778, 0.3509, 0.2099



63.7778, 0.3494, 0.5597



63.7778, 0.1618, 0.1607

# Square

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



63.7778, 0.3494, 0.5597



63.7778, 0.1256, 0.2467



63.7778, 0.2357, 0.1715



63.7778, 0.5446, 0.3419



# Rectangle

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



63.7778, 0.3494, 0.5597



63.7778, 0.1848, 0.4226



63.7778, 0.2357, 0.1715



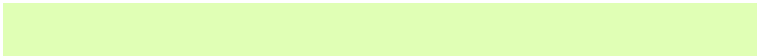
63.7778, 0.4372, 0.2484

# Sweetspot

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



63.7806, 0.3494, 0.5597



90.7847, 0.3362, 0.4069



25.7516, 0.5672, 0.3860



19.1878, 0.3393, 0.4193



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.



63.7806, 0.3494, 0.5597



77.9859, 0.3480, 0.5619



58.5373, 0.3023, 0.5969



17.2994, 0.3204, 0.3527



36.1546, 0.3493, 0.5608



2.8951, 0.3588, 0.5533



# Inverse Universe

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



8.6544, 0.1874, 0.0814



10.2349, 0.1846, 0.0791



19.7280, 0.2961, 0.1411



14.8524, 0.3044, 0.3051



4.8215, 0.1867, 0.0802



0.4337, 0.2022, 0.0887



# Previews

## White Background



This preview shows how the Yxy color 63.7778, 0.3494, 0.5597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

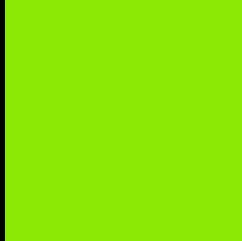
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.7778, 0.3494, 0.5597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

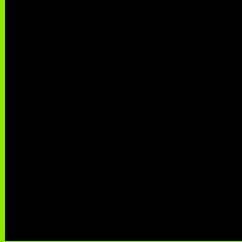
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.7778, 0.3494, 0.5597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.7778, 0.3494, 0.5597.



This preview shows how white text looks on a background with the Yxy color 63.7778, 0.3494, 0.5597.

# 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

63.7778, 0.3494, 0.5597

### Protanopia

62.7739, 0.4414, 0.4877

### Deuteranopia

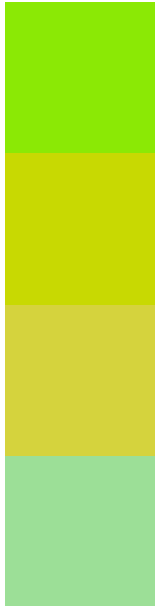
62.8972, 0.4368, 0.4318



## Tritanopia

63.5656, 0.2679, 0.3086

# Trichromacy



## Original Color

63.7778, 0.3494, 0.5597

## Protanomaly

61.9095, 0.4054, 0.5159

## Deuteranomaly

61.0716, 0.4089, 0.4842

## Tritanomaly

62.0776, 0.3116, 0.4234

# Monochromacy



## Original Color

63.7778, 0.3494, 0.5597

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

50.0003, 0.3441, 0.4424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7778, 0.3494, 0.5597 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(139, 233, 5)` looks like.

```
.text, #text, p{  
    color:rgb(139, 233, 5)  
}
```

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(139, 233, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 233, 5) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7778, 0.3494, 0.5597 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(139, 233, 5) }
```

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

```
.border{ border-color:rgb(139, 233, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 233, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 233, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 233, 5);  
box-shadow:4px 4px 4px 4px rgb(139, 233,  
5) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7778, 0.3494, 0.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 233, 5) }
```

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

```
.background{ background-color: rgb(139,  
233, 5) }
```

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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