

# Converting Colors

$Yxy(77.9862, 0.3587, 0.4412)$

Have a look what the booklet for  
Yxy(77.9862, 0.3587, 0.4412)  
contains.

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# Color

**Yxy(77.9862, 0.3587, 0.4412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7EF89
RGB	215, 239, 137
RGB Percent	84%, 94%, 54%
CMY	0.1569, 0.0627, 0.4628
CMYK	0.10, 0.00, 0.43, 0.06
HSL	74°, 76%, 74%
HSV	74°, 43%, 94%
XYZ	63.4036, 77.9862, 35.3695
YIQ	220.1960, 18.4380, -36.8100

# Conversions

## Conversions Part 2

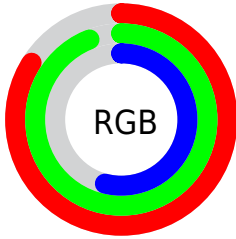
Format	Color
<b>RYB</b>	137, 239, 161
Decimal	14151561
CIELab	90.77, -23.35, 46.61
CIELCh	91, 52.131, 116.612
Yxy	77.9862, 0.3587, 0.4412
Android (android.graphics.Color)	4292341641 (0xFFD7EF89)
YUV	220.1960, -41.0156, -4.5569
Hunter-Lab	88.3098, -26.3850, 38.0702

# Details

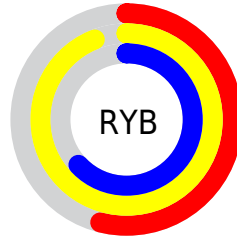
The Yxy color **77.9862, 0.3587, 0.4412** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **31.6947, 0.2504, 0.2023**, and the grayscale version is **71.9965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **41.8938, 0.3664, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **76.5411, 0.3673, 0.4666**, and if you desaturate by 10%, it is **79.6195, 0.3487, 0.4144**.

# Distribution



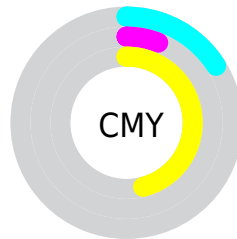
- Red (84%)
- Green (94%)
- Blue (54%)



- Red (54%)
- Yellow (94%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (43%)
- Black (6%)




- Cyan (16%)
- Magenta (6%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9862, 0.3587, 0.4412 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 77.9862, 0.3587, 0.4412 by changing the saturation by 10% instead.



 77.9862, 0.3587,  
0.4412


 77.9862, 0.3587,  
0.4412


488.1200, 0.3397,  
0.3886

 58.0626, 0.3623,  
0.4531


 130.5307, 0.3527,  
0.4230

 41.8590, 0.3663,  
0.4676

 163.9204, 0.3502,  
0.4159

 28.9909, 0.3706,  
0.4856

 202.5676, 0.3479,  
0.4098

 19.0739, 0.3749,  
0.5084

246.8567, 0.3459,  
0.4045

 11.7237, 0.3782,  
0.5376

297.1721, 0.3441,  
0.3998

 6.5558, 0.3807,  
0.5795

353.8982, 0.3425,

 3.1859, 0.3708,

0.3956

0.6292

417.4193, 0.3411,  
0.3920

■ 1.2296, 0.3143,  
0.6857

■ 0.0856, 0.0000,  
1.0000

■ 77.9862, 0.3587,  
0.4412

■ 77.9862, 0.3587,  
0.4412

■ 76.5411, 0.3673,  
0.4666

■ 79.6195, 0.3487,  
0.4144

■ 75.2633, 0.3740,  
0.4895


■ 81.4399, 0.3379,  
0.3874

■ 74.1445, 0.3784,  
0.5087

■ 83.4599, 0.3268,  
0.3609


■ 73.1715, 0.3802,  
0.5235

■ 85.6874, 0.3157,  
0.3355


 72.3278, 0.3794,  
0.5335

 88.0343, 0.3057,  
0.3133

 71.7749, 0.3776,  
0.5384

 89.0513, 0.3094,  
0.3134

 90.0992, 0.3130,  
0.3136

 90.2180, 0.3134,  
0.3136

# Harmonies

## Analogous

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



77.9862, 0.4089, 0.4217



77.9862, 0.3587, 0.4412



77.9862, 0.2989, 0.4236

# Triad

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



77.9862, 0.3587, 0.4412



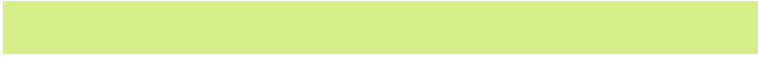
77.9862, 0.2040, 0.2603



77.9862, 0.3794, 0.2894

# Complementary

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



77.9862, 0.3587, 0.4412



31.6947, 0.2504, 0.2023

# 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.



77.9862, 0.3173, 0.2546



77.9862, 0.3587, 0.4412



77.9862, 0.2202, 0.2364

# Square

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



77.9862, 0.3587, 0.4412



77.9862, 0.2124, 0.3079



77.9862, 0.2597, 0.2355



77.9862, 0.4240, 0.3340



# Rectangle

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



77.9862, 0.3587, 0.4412



77.9862, 0.2618, 0.3909



77.9862, 0.2597, 0.2355



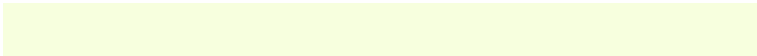
77.9862, 0.3595, 0.2764

# Sweetspot

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



77.9897, 0.3587, 0.4412



96.5960, 0.3272, 0.3618



45.5731, 0.4125, 0.3559



20.5606, 0.3297, 0.3676



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.



77.9897, 0.3587, 0.4412



88.9091, 0.3661, 0.4629



71.4560, 0.3232, 0.4552



18.2606, 0.3232, 0.3526



39.7241, 0.3783, 0.5379



3.3494, 0.3839, 0.5334



# Inverse Universe

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



31.6947, 0.2504, 0.2023



28.8987, 0.2349, 0.1741



38.0857, 0.2933, 0.2164



15.4083, 0.3016, 0.3048



3.9622, 0.1631, 0.0672



0.3736, 0.1757, 0.0742



# Previews

## White Background



This preview shows how the Yxy color 77.9862, 0.3587, 0.4412 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 77.9862, 0.3587, 0.4412 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 77.9862, 0.3587, 0.4412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9862, 0.3587, 0.4412.

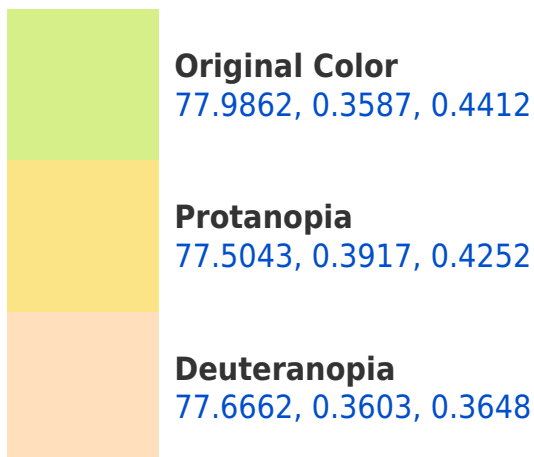


This preview shows how white text looks on a background with the Yxy color 77.9862, 0.3587, 0.4412.

# 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

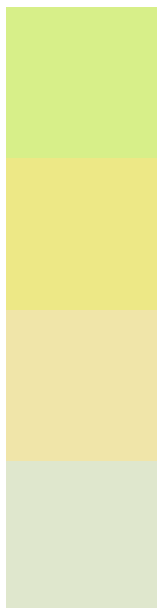




## Tritanopia

77.4183, 0.3027, 0.3103

# Trichromacy



## Original Color

77.9862, 0.3587, 0.4412

## Protanomaly

77.4390, 0.3794, 0.4316

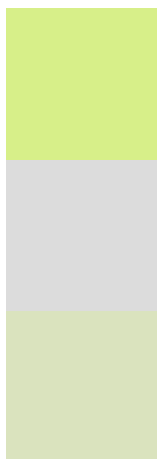
## Deuteranomaly

77.4285, 0.3605, 0.3925

## Tritanomaly

77.2476, 0.3238, 0.3572

# Monochromacy



## Original Color

77.9862, 0.3587, 0.4412

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

73.5613, 0.3305, 0.3702

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9862, 0.3587, 0.4412 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(215, 239, 137)` looks like.

```
.text, #text, p{  
    color:rgb(215, 239, 137)  
}
```

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(215, 239, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 239, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9862, 0.3587, 0.4412 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(215, 239, 137) }
```

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

```
.border{ border-color:rgb(215, 239, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 239, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 239, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 239, 137);  
box-shadow:4px 4px 4px 4px rgb(215, 239,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9862, 0.3587, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 239, 137) }
```

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

```
.background{ background-color: rgb(215,  
239, 137) }
```

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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