

# Converting Colors

$Yxy(76.7442, 0.3537, 0.4386)$

Have a look what the booklet for  
Yxy(76.7442, 0.3537, 0.4386)  
contains.

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# Color

**Yxy(76.7442, 0.3537, 0.4386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2EE8C
RGB	210, 238, 140
RGB Percent	82%, 93%, 55%
CMY	0.1764, 0.0667, 0.4512
CMYK	0.12, 0.00, 0.41, 0.07
HSL	77°, 74%, 74%
HSV	77°, 41%, 93%
XYZ	61.8888, 76.7442, 36.3424
YIQ	218.4560, 14.7700, -36.4140

# Conversions

## Conversions Part 2

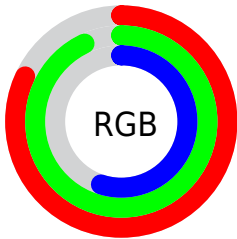
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 238, 168
Decimal	13823628
CIELab	90.20, -24.40, 44.38
CIElCh	90, 50.643, 118.806
Yxy	76.7442, 0.3537, 0.4386
Android (android.graphics.Color)	4292013708 (0xFFD2EE8C)
YUV	218.4560, -38.6788, -7.4159
Hunter-Lab	87.6038, -27.2030, 36.7262

# Details

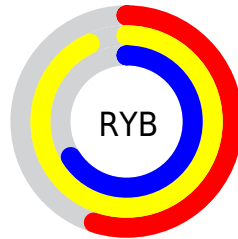
The Yxy color **76.7442, 0.3537, 0.4386** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.2322, 0.2570, 0.2086**, and the grayscale version is **70.7088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **41.0305, 0.3602, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **75.1442, 0.3616, 0.4651**, and if you desaturate by 10%, it is **78.5452, 0.3445, 0.4111**.

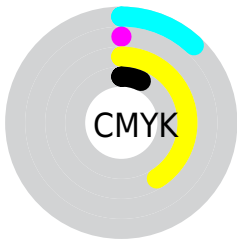
# Distribution



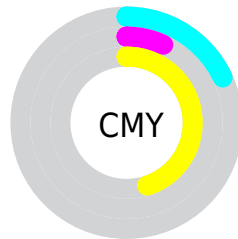
- Red (82%)
- Green (93%)
- Blue (55%)



- Red (55%)
- Yellow (93%)
- Blue (66%)



- Cyan (12%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)




- Cyan (18%)
- Magenta (7%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7442, 0.3537, 0.4386 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 76.7442, 0.3537, 0.4386 by changing the saturation by 10% instead.




 76.7442, 0.3537,  
0.4386

 76.7442, 0.3537,  
0.4386


483.8914, 0.3368,  
0.3869


 57.0430, 0.3569,  
0.4504


 128.7783, 0.3484,  
0.4206

 41.0397, 0.3604,  
0.4649

 161.8800, 0.3461,  
0.4136

 28.3501, 0.3642,  
0.4830


 200.2173, 0.3441,  
0.4076

 18.5898, 0.3679,  
0.5062

244.1745, 0.3424,  
0.4024

 11.3742, 0.3707,  
0.5363

294.1362, 0.3408,  
0.3978

 6.3191, 0.3718,  
0.5789

350.4866, 0.3393,

 3.0401, 0.3633,

0.3937

0.6367

413.6102, 0.3380,  
0.3901

■ 1.1527, 0.2931,  
0.7069

■ 0.0226, 0.0000,  
1.0000

■ 76.7442, 0.3537,  
0.4386

■ 76.7442, 0.3537,  
0.4386

■ 75.1442, 0.3616,  
0.4651

■ 78.5452, 0.3445,  
0.4111

■ 73.7244, 0.3678,  
0.4894

■ 80.5464, 0.3345,  
0.3837

■ 72.4768, 0.3717,  
0.5103


■ 82.7600, 0.3242,  
0.3571

■ 71.3881, 0.3730,  
0.5268


■ 85.1943, 0.3139,  
0.3319

 70.4425, 0.3718,  
0.5385

 87.5998, 0.3063,  
0.3123

 69.7066, 0.3690,  
0.5452

 88.8370, 0.3107,  
0.3125

 89.6303, 0.3135,  
0.3127

# Harmonies

## Analogous

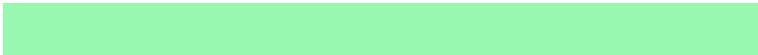
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7442, 0.4039, 0.4220



76.7442, 0.3537, 0.4386



76.7442, 0.2951, 0.4184

# Triad

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



76.7442, 0.3537, 0.4386



76.7442, 0.2065, 0.2594



76.7442, 0.3818, 0.2933

# Complementary

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



76.7442, 0.3537, 0.4386



33.2322, 0.2570, 0.2086

# 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.



76.7442, 0.3218, 0.2582



76.7442, 0.3537, 0.4386



76.7442, 0.2243, 0.2376

# Square

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



76.7442, 0.3537, 0.4386



76.7442, 0.2131, 0.3044



76.7442, 0.2645, 0.2382



76.7442, 0.4233, 0.3374



# Rectangle

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



76.7442, 0.3537, 0.4386



76.7442, 0.2594, 0.3852



76.7442, 0.2645, 0.2382



76.7442, 0.3628, 0.2802

# Sweetspot

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



76.7476, 0.3537, 0.4386



96.5650, 0.3251, 0.3593



47.9761, 0.4052, 0.3604



20.5937, 0.3264, 0.3627



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

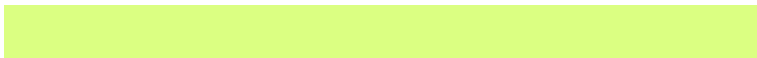


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7476, 0.3537, 0.4386



88.2471, 0.3602, 0.4599



70.6397, 0.3198, 0.4515



18.2193, 0.3224, 0.3526



38.9573, 0.3698, 0.5446



3.2910, 0.3765, 0.5393



# Inverse Universe

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



33.2322, 0.2570, 0.2086



31.2734, 0.2433, 0.1824



39.6298, 0.2985, 0.2218



15.4471, 0.3024, 0.3049



4.1843, 0.1685, 0.0702

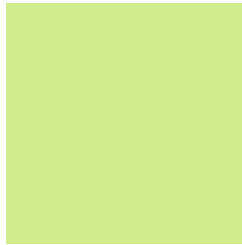


0.3967, 0.1821, 0.0777



# Previews

## White Background



This preview shows how the Yxy color 76.7442, 0.3537, 0.4386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

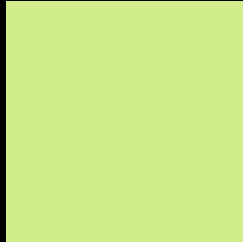
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.7442, 0.3537, 0.4386 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 76.7442, 0.3537, 0.4386**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.7442, 0.3537, 0.4386.

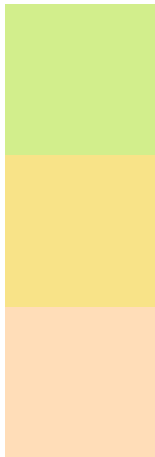


This preview shows how white text looks on a background with the Yxy color 76.7442, 0.3537, 0.4386.

# 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

76.7442, 0.3537, 0.4386

### Protanopia

76.6722, 0.3888, 0.4221

### Deuteranopia

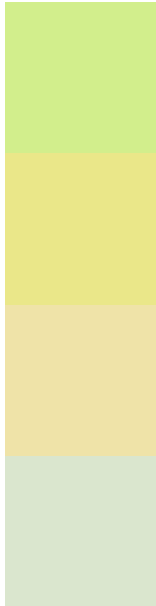
76.4336, 0.3637, 0.3670



## Tritanopia

76.6123, 0.2994, 0.3101

# Trichromacy



**Original Color**

76.7442, 0.3537, 0.4386

**Protanomaly**

76.4504, 0.3758, 0.4286

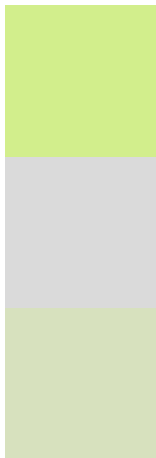
**Deuteranomaly**

76.1160, 0.3610, 0.3918

**Tritanomaly**

75.9553, 0.3198, 0.3553

# Monochromacy



**Original Color**

76.7442, 0.3537, 0.4386

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

72.0152, 0.3286, 0.3684

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.7442, 0.3537, 0.4386 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(210, 238, 140)` looks like.

```
.text, #text, p{  
    color:rgb(210, 238, 140)  
}
```

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(210, 238, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 238, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 76.7442, 0.3537, 0.4386 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(210, 238, 140) }
```

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

```
.border{ border-color:rgb(210, 238, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 238, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 238, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 238, 140);  
box-shadow:4px 4px 4px 4px rgb(210, 238,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.7442, 0.3537, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 238, 140) }
```

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

```
.background{ background-color: rgb(210,  
238, 140) }
```

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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