

# Converting Colors

$Yxy(76.6431, 0.3518, 0.4194)$

Have a look what the booklet for  
Yxy(76.6431, 0.3518, 0.4194)  
contains.

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# Color

**Yxy(76.5015, 0.3513, 0.4189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9EB9A
RGB	217, 235, 154
RGB Percent	85%, 92%, 60%
CMY	0.1491, 0.0784, 0.3960
CMYK	0.08, 0.00, 0.34, 0.08
HSL	73°, 67%, 76%
HSV	73°, 34%, 92%
XYZ	64.1561, 76.5015, 41.9672
YIQ	220.3840, 15.2730, -29.0070

# Conversions

## Conversions Part 2

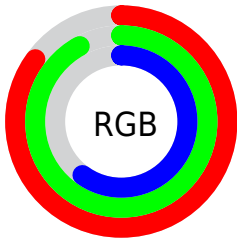
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 235, 172
Decimal	14281626
CIELab	90.09, -18.69, 37.37
CIELCh	90, 41.780, 116.574
Yxy	76.5015, 0.3513, 0.4189
Android (android.graphics.Color)	4292471706 (0xFFD9EB9A)
YUV	220.3840, -32.7273, -2.9678
Hunter-Lab	87.4651, -22.1334, 32.7773

# Details

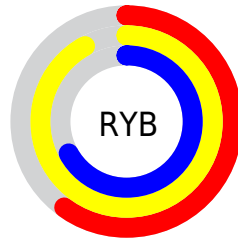
The Yxy color **76.5015, 0.3513, 0.4189** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.8938, 0.2640, 0.2295**, and the grayscale version is **72.0800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **40.7766, 0.3584, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **75.0083, 0.3613, 0.4453**, and if you desaturate by 10%, it is **78.1802, 0.3404, 0.3920**.

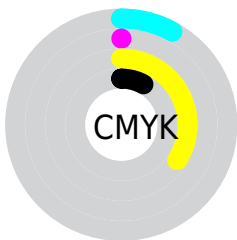
# Distribution



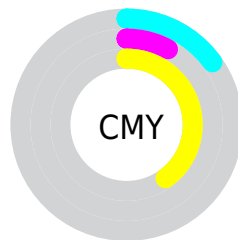
- Red (85%)
- Green (92%)
- Blue (60%)



- Red (60%)
- Yellow (92%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (15%)
- Magenta (8%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5015, 0.3513, 0.4189 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 76.5015, 0.3513, 0.4189 by changing the saturation by 10% instead.




 76.5015, 0.3513,  
0.4189

 76.5015, 0.3513,  
0.4189


483.0627, 0.3348,  
0.3766

 56.8438, 0.3547,  
0.4286


 128.4356, 0.3459,  
0.4042

 40.8799, 0.3586,  
0.4405

 161.4807, 0.3437,  
0.3985

 28.2252, 0.3631,  
0.4555


199.7572, 0.3417,  
0.3936

 18.4955, 0.3682,  
0.4748

243.6493, 0.3400,  
0.3893

 11.3063, 0.3737,  
0.5004

293.5416, 0.3385,  
0.3855

 6.2733, 0.3782,  
0.5352

349.8183, 0.3371,

 3.0119, 0.3930,

0.3822

0.6070

412.8639, 0.3359,  
0.3793

■ 1.1380, 0.3473,  
0.6527

■ 0.0101, 0.0000,  
1.0000

■ 76.5015, 0.3513,  
0.4189

■ 76.5015, 0.3513,  
0.4189

■ 75.0083, 0.3613,  
0.4453

■ 78.1802, 0.3404,  
0.3920

■ 73.6812, 0.3699,  
0.4701


■ 80.0426, 0.3290,  
0.3654


■ 72.5134, 0.3764,  
0.4922


■ 82.1001, 0.3177,  
0.3399

■ 71.4935, 0.3806,  
0.5104


■ 84.3601, 0.3066,  
0.3159

 70.6083, 0.3822,  
0.5241


 85.7186, 0.3058,  
0.3093

 69.8417, 0.3812,  
0.5331

 86.6627, 0.3092,  
0.3095

 69.4543, 0.3799,  
0.5366

 87.6336, 0.3127,  
0.3097

 87.9005, 0.3136,  
0.3097

# Harmonies

## Analogous

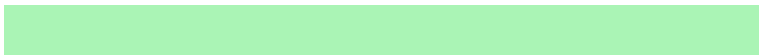
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5015, 0.3916, 0.4053



76.5015, 0.3513, 0.4189



76.5015, 0.3025, 0.4038

# Triad

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



76.5015, 0.3513, 0.4189



76.5015, 0.2229, 0.2738



76.5015, 0.3666, 0.2968

# Complementary

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



76.5015, 0.3513, 0.4189



37.8938, 0.2640, 0.2295

# Split Complementary

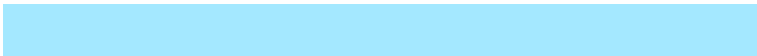
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5015, 0.3169, 0.2675



76.5015, 0.3513, 0.4189



76.5015, 0.2366, 0.2531

# Square

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



76.5015, 0.3513, 0.4189



76.5015, 0.2304, 0.3131



76.5015, 0.2697, 0.2517



76.5015, 0.4022, 0.3343



# Rectangle

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



76.5015, 0.3513, 0.4189



76.5015, 0.2720, 0.3783



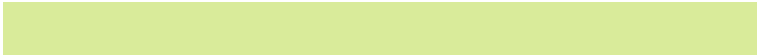
76.5015, 0.2697, 0.2517



76.5015, 0.3507, 0.2858

# Sweetspot

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



76.5049, 0.3513, 0.4189



97.4050, 0.3240, 0.3540



49.3397, 0.3875, 0.3491



20.7748, 0.3256, 0.3576



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

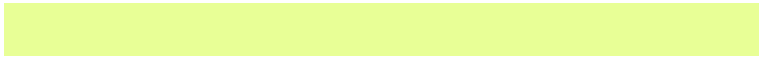


# Same Dimension

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



76.5049, 0.3513, 0.4189



90.8491, 0.3582, 0.4368



71.0981, 0.3228, 0.4277



17.4482, 0.3234, 0.3525



38.7110, 0.3805, 0.5361



3.0813, 0.3862, 0.5316



# Inverse Universe

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



37.8938, 0.2640, 0.2295



38.1418, 0.2522, 0.2072



43.1247, 0.2969, 0.2383



14.7105, 0.3014, 0.3049



3.7949, 0.1619, 0.0666

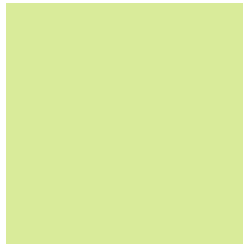


0.3397, 0.1750, 0.0738



# Previews

## White Background



This preview shows how the Yxy color 76.5015, 0.3513, 0.4189 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 76.5015, 0.3513, 0.4189 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

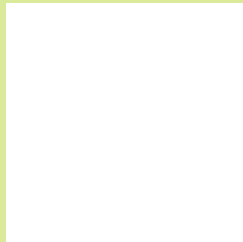
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5015, 0.3513, 0.4189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5015, 0.3513, 0.4189.

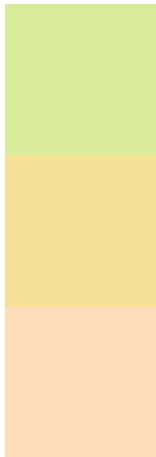


This preview shows how white text looks on a background with the Yxy color 76.5015, 0.3513, 0.4189.

# 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

76.5015, 0.3513, 0.4189

### Protanopia

76.0072, 0.3779, 0.4082

### Deuteranopia

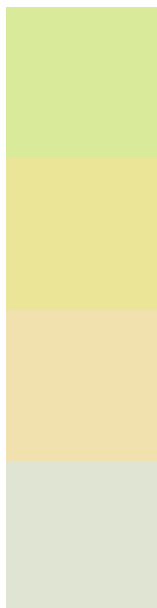
75.9916, 0.3625, 0.3639



## Tritanopia

76.2161, 0.3040, 0.3102

# Trichromacy



## Original Color

76.5015, 0.3513, 0.4189

## Protanomaly

75.9352, 0.3685, 0.4123

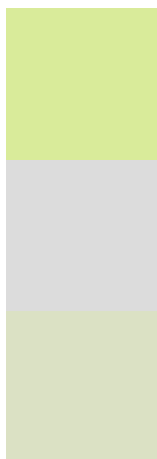
## Deuteranomaly

75.6072, 0.3590, 0.3831

## Tritanomaly

75.9872, 0.3216, 0.3485

# Monochromacy



## Original Color

76.5015, 0.3513, 0.4189

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.8960, 0.3275, 0.3612

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5015, 0.3513, 0.4189 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(217, 235, 154)` looks like.

```
.text, #text, p{  
    color:rgb(217, 235, 154)  
}
```

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(217, 235, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 235, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5015, 0.3513, 0.4189 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(217, 235, 154) }
```

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

```
.border{ border-color:rgb(217, 235, 154) }
```

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

Here you see how a box with a 4 pixel rgb(217, 235, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 235, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 235, 154);  
box-shadow:4px 4px 4px 4px rgb(217, 235,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5015, 0.3513, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 235, 154) }
```

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

```
.background{ background-color: rgb(217,  
235, 154) }
```

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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