

# Converting Colors

$Yxy(78.1339, 0.3489, 0.4203)$

Have a look what the booklet for  
Yxy(78.1339, 0.3489, 0.4203)  
contains.

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# Color

**Yxy(78.1483, 0.3486, 0.4198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8EE9C
RGB	216, 238, 156
RGB Percent	85%, 93%, 61%
CMY	0.1529, 0.0666, 0.3882
CMYK	0.09, 0.00, 0.34, 0.07
HSL	76°, 71%, 77%
HSV	76°, 34%, 93%
XYZ	64.8940, 78.1483, 43.1137
YIQ	222.0740, 13.2100, -30.1660

# Conversions

## Conversions Part 2

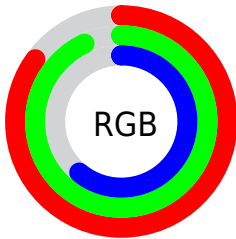
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 238, 178
Decimal	14216860
CIELab	90.85, -20.27, 37.36
CIELCh	91, 42.503, 118.489
Yxy	78.1483, 0.3486, 0.4198
Android (android.graphics.Color)	4292406940 (0xFFD8EE9C)
YUV	222.0740, -32.5745, -5.3269
Hunter-Lab	88.4015, -23.6690, 32.9651

# Details

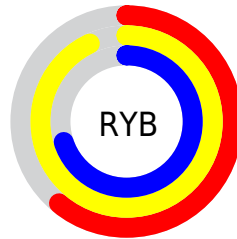
The Yxy color **78.1483, 0.3486, 0.4198** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.4143, 0.2668, 0.2302**, and the grayscale version is **73.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **41.9290, 0.3547, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **76.4690, 0.3578, 0.4469**, and if you desaturate by 10%, it is **80.0303, 0.3385, 0.3924**.

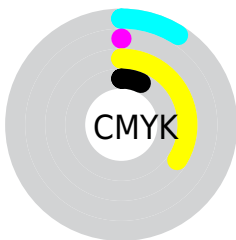
# Distribution



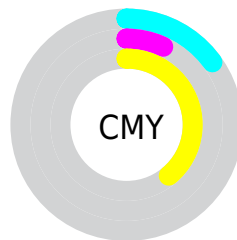
- Red (85%)
- Green (93%)
- Blue (61%)



- Red (61%)
- Yellow (93%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (7%)




- Cyan (15%)
- Magenta (7%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1483, 0.3486, 0.4198 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 78.1483, 0.3486, 0.4198 by changing the saturation by 10% instead.




 78.1483, 0.3486,  
0.4198


 78.1483, 0.3486,  
0.4198

488.6703, 0.3334,  
0.3772

 58.1958, 0.3516,  
0.4296


 130.7592, 0.3437,  
0.4050

 41.9661, 0.3551,  
0.4416


 164.1863, 0.3416,  
0.3992

 29.0747, 0.3592,  
0.4567


202.8738, 0.3398,  
0.3942

 19.1374, 0.3637,  
0.4762

247.2061, 0.3383,  
0.3899

 11.7696, 0.3683,  
0.5021

297.5674, 0.3368,  
0.3861

 6.5870, 0.3718,  
0.5373


354.3423, 0.3356,


 3.2052, 0.3869,


0.3828

0.6131


417.9152, 0.3344,  
0.3798


 1.2398, 0.3427,  
0.6573


 0.0938, 0.0000,  
1.0000


 78.1483, 0.3486,  
0.4198


 78.1483, 0.3486,  
0.4198


 76.4690, 0.3578,  
0.4469


 80.0303, 0.3385,  
0.3924


 74.9723, 0.3655,  
0.4725


 82.1136, 0.3280,  
0.3656


 73.6510, 0.3712,  
0.4955


 84.4099, 0.3174,  
0.3399

 72.4932, 0.3746,  
0.5147


 86.9270, 0.3070,  
0.3159

 71.4851, 0.3754,  
0.5293

 88.3165, 0.3089,  
0.3124

 70.6097, 0.3736,  
0.5391

 89.5034, 0.3130,  
0.3126

 70.1677, 0.3719,  
0.5429

 89.6325, 0.3135,  
0.3127

# Harmonies

## Analogous

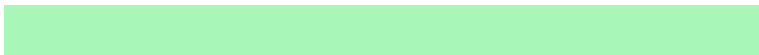
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1483, 0.3903, 0.4076



78.1483, 0.3486, 0.4198



78.1483, 0.2993, 0.4026

# Triad

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



78.1483, 0.3486, 0.4198



78.1483, 0.2223, 0.2713



78.1483, 0.3700, 0.2987

# Complementary

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



78.1483, 0.3486, 0.4198



39.4143, 0.2668, 0.2302

# Split Complementary

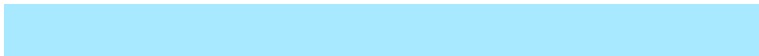
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1483, 0.3202, 0.2685



78.1483, 0.3486, 0.4198



78.1483, 0.2375, 0.2517

# Square

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



78.1483, 0.3486, 0.4198



78.1483, 0.2285, 0.3099



78.1483, 0.2720, 0.2515



78.1483, 0.4046, 0.3369

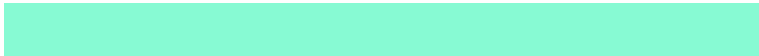


# Rectangle

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



78.1483, 0.3486, 0.4198



78.1483, 0.2688, 0.3759



78.1483, 0.2720, 0.2515



78.1483, 0.3543, 0.2875

# Sweetspot

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



78.1518, 0.3486, 0.4198



97.1904, 0.3233, 0.3541



52.3657, 0.3860, 0.3537



20.7227, 0.3248, 0.3577



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

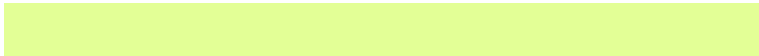


# Same Dimension

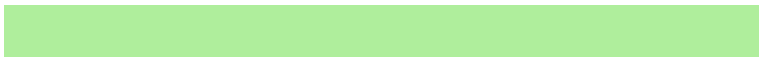
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1518, 0.3486, 0.4198



90.0589, 0.3549, 0.4380



72.6819, 0.3201, 0.4286



18.2333, 0.3227, 0.3526



39.2111, 0.3726, 0.5423



3.3104, 0.3790, 0.5373



# Inverse Universe

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



39.4143, 0.2668, 0.2302



38.7012, 0.2557, 0.2083



44.9892, 0.3004, 0.2392



15.4338, 0.3021, 0.3049



4.1035, 0.1665, 0.0691



0.3885, 0.1798, 0.0764



# Previews

## White Background



This preview shows how the Yxy color 78.1483, 0.3486, 0.4198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

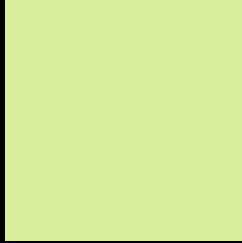
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1483, 0.3486, 0.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

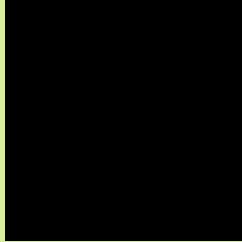
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

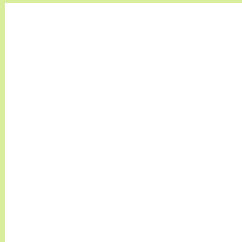
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.1483, 0.3486, 0.4198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1483, 0.3486, 0.4198.

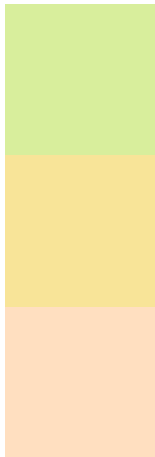


This preview shows how white text looks on a background with the Yxy color 78.1483, 0.3486, 0.4198.

# 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

78.1483, 0.3486, 0.4198

### Protanopia

77.7103, 0.3781, 0.4074

### Deuteranopia

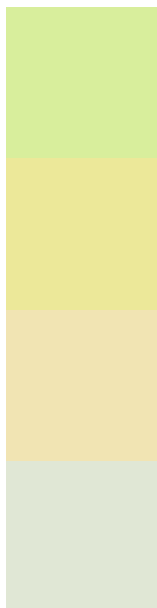
77.8411, 0.3575, 0.3607



## **Tritanopia**

78.0247, 0.3021, 0.3103

# Trichromacy



## Original Color

78.1483, 0.3486, 0.4198

## Protanomaly

77.8460, 0.3670, 0.4128

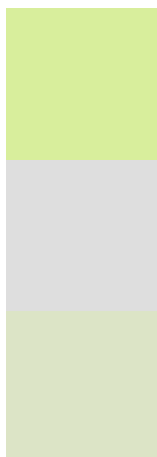
## Deuteranomaly

77.4423, 0.3548, 0.3808

## Tritanomaly

77.8032, 0.3194, 0.3484

# Monochromacy



## Original Color

78.1483, 0.3486, 0.4198

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

74.7797, 0.3266, 0.3621

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1483, 0.3486, 0.4198 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(216, 238, 156)` looks like.

```
.text, #text, p{  
    color:rgb(216, 238, 156)  
}
```

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(216, 238, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 238, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1483, 0.3486, 0.4198 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(216, 238, 156) }
```

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

```
.border{ border-color:rgb(216, 238, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 238, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 238, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 238, 156);  
box-shadow:4px 4px 4px 4px rgb(216, 238,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1483, 0.3486, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 238, 156) }
```

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

```
.background{ background-color: rgb(216,  
238, 156) }
```

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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