

# Converting Colors

$Yxy(82.6022, 0.3526, 0.4145)$

Have a look what the booklet for  
Yxy(82.6022, 0.3526, 0.4145)  
contains.

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# Color

**Yxy(82.6069, 0.3526, 0.4145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F2A2
RGB	228, 242, 162
RGB Percent	89%, 95%, 64%
CMY	0.1058, 0.0510, 0.3648
CMYK	0.06, 0.00, 0.33, 0.05
HSL	70°, 75%, 79%
HSV	70°, 33%, 95%
XYZ	70.2707, 82.6069, 46.4153
YIQ	228.6940, 17.3360, -27.8480

# Conversions

## Conversions Part 2

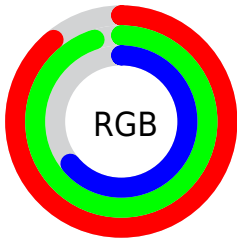
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 242, 176
Decimal	15004322
CIELab	92.84, -17.03, 37.14
CIELCh	93, 40.857, 114.637
Yxy	82.6069, 0.3526, 0.4145
Android (android.graphics.Color)	4293194402 (0xFFE4F2A2)
YUV	228.6940, -32.8801, -0.6086
Hunter-Lab	90.8883, -21.0466, 33.3433

# Details

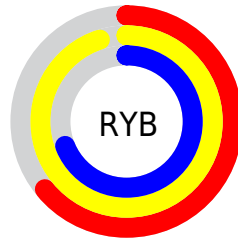
The Yxy color **82.6069, 0.3526, 0.4145** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.4734, 0.2634, 0.2332**, and the grayscale version is **78.3573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **44.9926, 0.3607, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **81.1476, 0.3636, 0.4404**, and if you desaturate by 10%, it is **84.2561, 0.3407, 0.3880**.

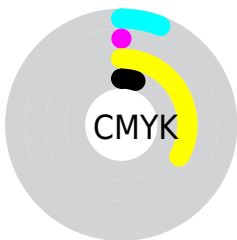
# Distribution



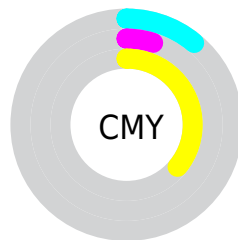
- Red (89%)
- Green (95%)
- Blue (64%)



- Red (64%)
- Yellow (95%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)




- Cyan (11%)
- Magenta (5%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6069, 0.3526, 0.4145 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 82.6069, 0.3526, 0.4145 by changing the saturation by 10% instead.



 82.6069, 0.3526,  
0.4145

 82.6069, 0.3526,  
0.4145


503.6755, 0.3356,  
0.3750

 61.8659, 0.3561,  
0.4234


 137.0248, 0.3470,  
0.4009

 44.9244, 0.3601,  
0.4343


 171.4704, 0.3447,  
0.3955

 31.3979, 0.3649,  
0.4479


211.2531, 0.3428,  
0.3909

 20.9020, 0.3704,  
0.4653

256.7572, 0.3410,  
0.3869

 13.0524, 0.3766,  
0.4881

308.3671, 0.3394,  
0.3834

 7.4646, 0.3827,  
0.5186

366.4671, 0.3380,

 3.7543, 0.3980,

0.3803

0.5778

431.4418, 0.3367,  
0.3775

■ 1.5371, 0.3792,  
0.6208

■ 0.3146, 0.0000,  
1.0000

■ 82.6069, 0.3526,  
0.4145

■ 82.6069, 0.3526,  
0.4145

■ 81.1476, 0.3636,  
0.4404

■ 84.2561, 0.3407,  
0.3880

■ 79.8576, 0.3733,  
0.4647


■ 86.0930, 0.3285,  
0.3617


■ 78.7298, 0.3810,  
0.4863


■ 88.1296, 0.3164,  
0.3365


■ 77.7523, 0.3864,  
0.5041

■ 90.1274, 0.3068,  
0.3163

 76.9115, 0.3891,  
0.5174

 90.8968, 0.3095,  
0.3164

 76.1905, 0.3893,  
0.5261

 91.6838, 0.3123,  
0.3165

 75.7437, 0.3882,  
0.5299

 91.9862, 0.3133,  
0.3165

# Harmonies

## Analogous

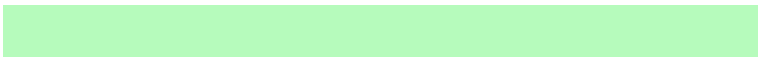
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6069, 0.3900, 0.4005



82.6069, 0.3526, 0.4145



82.6069, 0.3062, 0.4018

# Triad

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



82.6069, 0.3526, 0.4145



82.6069, 0.2266, 0.2784



82.6069, 0.3613, 0.2962

# Complementary

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



82.6069, 0.3526, 0.4145



41.4734, 0.2634, 0.2332

# Split Complementary

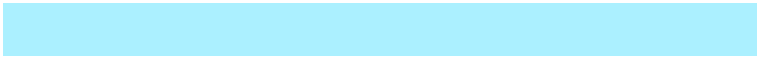
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6069, 0.3137, 0.2687



82.6069, 0.3526, 0.4145



82.6069, 0.2385, 0.2571

# Square

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



82.6069, 0.3526, 0.4145



82.6069, 0.2352, 0.3169



82.6069, 0.2692, 0.2545



82.6069, 0.3965, 0.3319

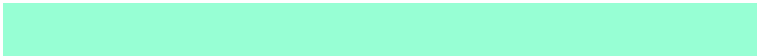


# Rectangle

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



82.6069, 0.3526, 0.4145



82.6069, 0.2766, 0.3786



82.6069, 0.2692, 0.2545



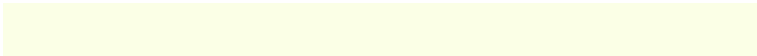
82.6069, 0.3460, 0.2858

# Sweetspot

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



82.6106, 0.3526, 0.4145



97.6294, 0.3248, 0.3539



52.2711, 0.3851, 0.3439



20.8294, 0.3265, 0.3575



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

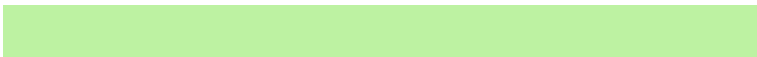
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6106, 0.3526, 0.4145



91.8534, 0.3605, 0.4329



76.8894, 0.3252, 0.4226



18.3111, 0.3241, 0.3525



40.7425, 0.3888, 0.5295



3.4257, 0.3930, 0.5261



# Inverse Universe

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



41.4734, 0.2634, 0.2332



38.6415, 0.2504, 0.2095



46.7435, 0.2944, 0.2412



15.3615, 0.3007, 0.3048



3.7526, 0.1579, 0.0643

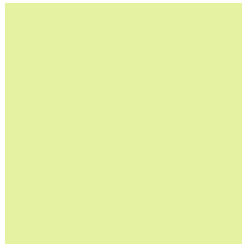


0.3498, 0.1689, 0.0704



# Previews

## White Background



This preview shows how the Yxy color 82.6069, 0.3526, 0.4145 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 82.6069, 0.3526, 0.4145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

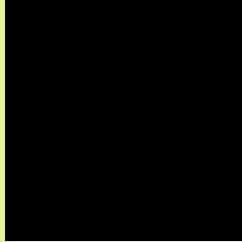
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

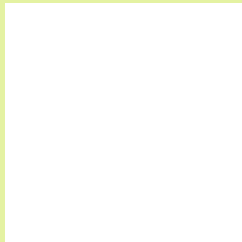
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.6069, 0.3526, 0.4145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.6069, 0.3526, 0.4145.

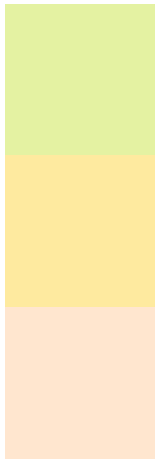


This preview shows how white text looks on a background with the Yxy color 82.6069, 0.3526, 0.4145.

# 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

82.6069, 0.3526, 0.4145

### Protanopia

82.4197, 0.3759, 0.4047

### Deuteranopia

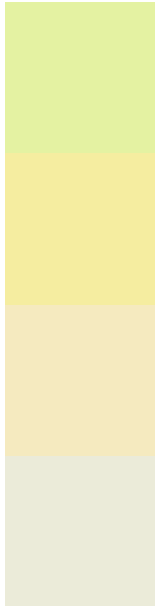
82.3586, 0.3456, 0.3522



## Tritanopia

82.3421, 0.3069, 0.3109

# Trichromacy



**Original Color**

82.6069, 0.3526, 0.4145

**Protanomaly**

82.5189, 0.3676, 0.4084

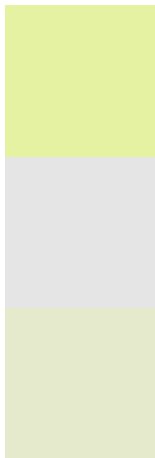
**Deuteranomaly**

82.0197, 0.3483, 0.3735

**Tritanomaly**

82.0886, 0.3241, 0.3478

# Monochromacy



**Original Color**

82.6069, 0.3526, 0.4145

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.9114, 0.3277, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6069, 0.3526, 0.4145 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(228, 242, 162)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 162)  
}
```

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(228, 242, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6069, 0.3526, 0.4145 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(228, 242, 162) }
```

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

```
.border{ border-color:rgb(228, 242, 162) }
```

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

Here you see how a box with a 4 pixel rgb(228, 242, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 162);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.6069, 0.3526, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 242, 162) }
```

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

```
.background{ background-color: rgb(228,  
242, 162) }
```

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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