

Converting Colors

Yxy(91.3885, 0.3425, 0.4264)

Have a look what the booklet for
Yxy(91.3885, 0.3425, 0.4264)
contains.

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Color

Yxy(89.7662, 0.3436, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFA5
RGB	222, 255, 165
RGB Percent	87%, 100%, 65%
CMY	0.1293, 0.0000, 0.3531
CMYK	0.13, 0.00, 0.35, 0.00
HSL	82°, 100%, 82%
HSV	82°, 35%, 100%
XYZ	72.6759, 89.7662, 49.0711
YIQ	234.8730, 9.2220, -34.9860

Conversions

Conversions Part 2

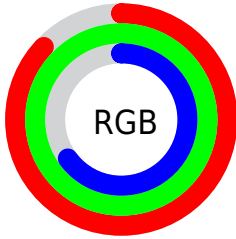
Format	Color
RYB	165, 255, 198
Decimal	14614437
CIELab	95.90, -25.11, 39.59
CIELCh	96, 46.884, 122.385
Yxy	89.7662, 0.3436, 0.4244
Android (android.graphics.Color)	4292804517 (0xFFDEFFA5)
YUV	234.8730, -34.4474, -11.2896
Hunter-Lab	94.7450, -28.8821, 35.6136

Details

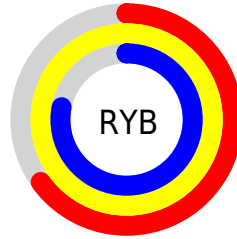
The Yxy color **89.7662, 0.3436, 0.4244** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.1118, 0.2718, 0.2288**, and the grayscale version is **83.2372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **49.6650, 0.3488, 0.4459** is the 20% darker color. If you saturate the color by 10%, you get **87.4951, 0.3509, 0.4528**, and if you desaturate by 10%, it is **92.3061, 0.3353, 0.3959**.

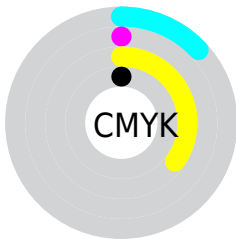
Distribution



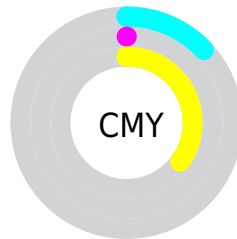
- Red (87%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (78%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7662, 0.3436, 0.4244 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 89.7662, 0.3436, 0.4244 by changing the saturation by 10% instead.

 89.7662, 0.3436,
0.4244


 89.7662, 0.3436,
0.4244


527.2700, 0.3312,
0.3804

 67.7867, 0.3459,
0.4343


 147.0136, 0.3397,
0.4093

 49.7243, 0.3485,
0.4463


 183.0503, 0.3381,
0.4033

 35.1944, 0.3514,
0.4614


224.5416, 0.3366,
0.3982

 23.8126, 0.3545,
0.4806

271.8718, 0.3353,
0.3938

 15.1947, 0.3573,
0.5057

325.4254, 0.3341,
0.3898

 8.9561, 0.3587,
0.5395

385.5867, 0.3330,

 4.7126, 0.3607,

0.3863

0.5946

452.7401, 0.3321,
0.3832

■ 2.0796, 0.3417,
0.6583

■ 0.6531, 0.0118,
0.9882

■ 89.7662, 0.3436,
0.4244

■ 89.7662, 0.3436,
0.4244

■ 87.4951, 0.3509,
0.4528

■ 92.3061, 0.3353,
0.3959

■ 85.4775, 0.3567,
0.4801

■ 95.1232, 0.3265,
0.3683

■ 83.7007, 0.3605,
0.5048

■ 98.2293, 0.3175,
0.3421

■ 82.1496, 0.3620,
0.5256

100.0000, 0.3127,
0.3290

■ 80.8066, 0.3609,
0.5416

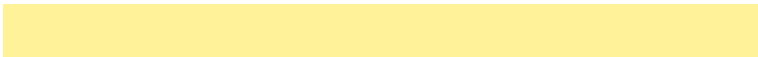
■ 79.6504, 0.3575,
0.5524

■ 79.1587, 0.3553,
0.5561

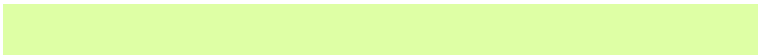
Harmonies

Analogous

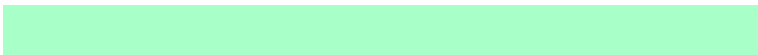
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7662, 0.3893, 0.4146



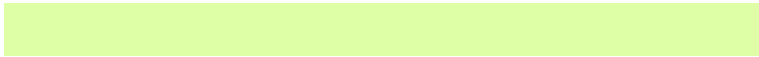
89.7662, 0.3436, 0.4244



89.7662, 0.2918, 0.4022

Triad

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



89.7662, 0.3436, 0.4244



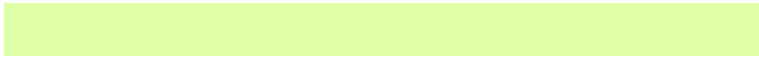
89.7662, 0.2188, 0.2644



89.7662, 0.3791, 0.3020

Complementary

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



89.7662, 0.3436, 0.4244



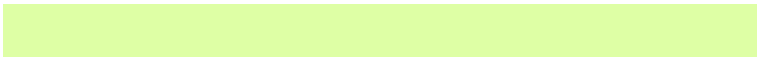
46.1118, 0.2718, 0.2288

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.



89.7662, 0.3276, 0.2690



89.7662, 0.3436, 0.4244



89.7662, 0.2374, 0.2468

Square

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



89.7662, 0.3436, 0.4244



89.7662, 0.2223, 0.3024



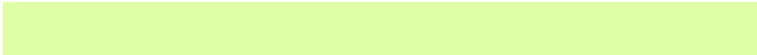
89.7662, 0.2758, 0.2492



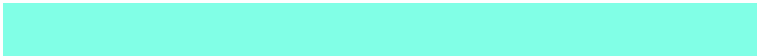
89.7662, 0.4123, 0.3424

Rectangle

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



89.7662, 0.3436, 0.4244



89.7662, 0.2609, 0.3720



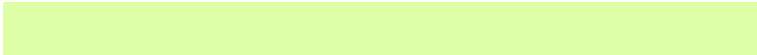
89.7662, 0.2758, 0.2492



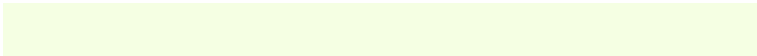
89.7662, 0.3631, 0.2899

Sweetspot

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



89.7672, 0.3436, 0.4244



96.4264, 0.3226, 0.3568



63.6678, 0.3860, 0.3621



20.5502, 0.3238, 0.3604



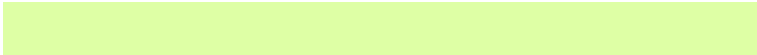
0.0000, 0.0000, 0.0000



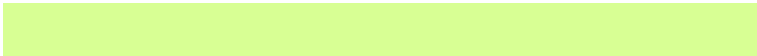
21.4041, 0.3127, 0.3290

Same Dimension

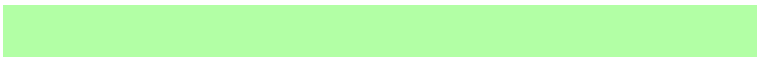
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7672, 0.3436, 0.4244



88.2187, 0.3486, 0.4435



83.7548, 0.3157, 0.4333



20.7387, 0.3212, 0.3529



41.4497, 0.3563, 0.5553



4.0978, 0.3635, 0.5496

Inverse Universe

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



46.1118, 0.2718, 0.2288



38.9498, 0.2619, 0.2076



52.9020, 0.3059, 0.2382



17.7017, 0.3036, 0.3048



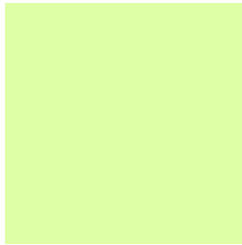
5.0768, 0.1790, 0.0760



0.5537, 0.1914, 0.0828

Previews

White Background



This preview shows how the Yxy color 89.7662, 0.3436, 0.4244 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 89.7662, 0.3436, 0.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

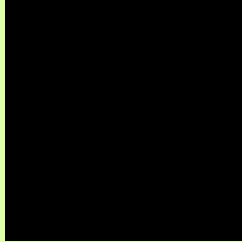
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

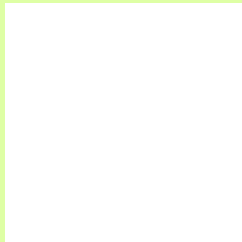
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7662, 0.3436, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 89.7662, 0.3436, 0.4244.

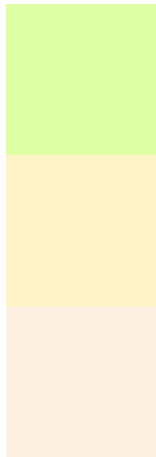


This preview shows how white text looks on a background with the Yxy color 89.7662, 0.3436, 0.4244.

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

89.7662, 0.3436, 0.4244

Protanopia

89.5313, 0.3477, 0.3719

Deuteranopia

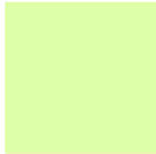
89.1816, 0.3302, 0.3409



Tritanopia

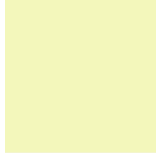
89.4983, 0.3024, 0.3171

Trichromacy



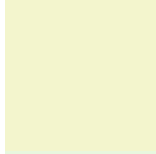
Original Color

89.7662, 0.3436, 0.4244



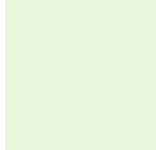
Protanomaly

89.1641, 0.3467, 0.3904



Deuteranomaly

88.7673, 0.3359, 0.3698



Tritanomaly

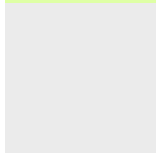
88.9513, 0.3179, 0.3547

Monochromacy



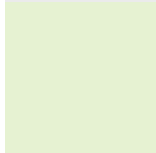
Original Color

89.7662, 0.3436, 0.4244



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9804, 0.3244, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7662, 0.3436, 0.4244 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(222, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 165)  
}
```

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(222, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 89.7662, 0.3436, 0.4244 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(222, 255, 165) }
```

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

```
.border{ border-color:rgb(222, 255, 165) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7662, 0.3436, 0.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 165) }
```

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

```
.background{ background-color: rgb(222,  
255, 165) }
```

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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