

Converting Colors

$Yxy(87.6105, 0.3482, 0.4233)$

Have a look what the booklet for
Yxy(87.6105, 0.3482, 0.4233)
contains.

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Color

Yxy(87.6105, 0.3482, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	E1FBA2
RGB	225, 251, 162
RGB Percent	88%, 98%, 64%
CMY	0.1177, 0.0157, 0.3647
CMYK	0.10, 0.00, 0.35, 0.02
HSL	78°, 92%, 81%
HSV	78°, 35%, 98%
XYZ	72.0670, 87.6105, 47.2927
YIQ	233.0800, 13.0730, -33.1910

Conversions

Conversions Part 2

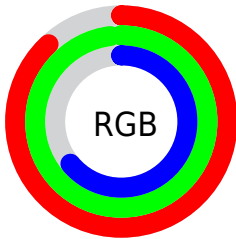
Format	Color
RYB	162, 251, 188
Decimal	14810018
CIELab	95.00, -22.50, 39.91
CIELCh	95, 45.815, 119.412
Yxy	87.6105, 0.3482, 0.4233
Android (android.graphics.Color)	4293000098 (0xFFE1FBA2)
YUV	233.0800, -35.0424, -7.0862
Hunter-Lab	93.6005, -26.3660, 35.5634

Details

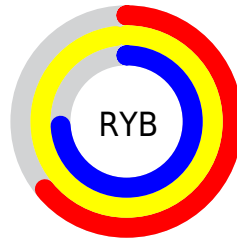
The Yxy color **87.6105, 0.3482, 0.4233** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.4996, 0.2666, 0.2271**, and the grayscale version is **81.8110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **48.1227, 0.3548, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **85.6549, 0.3568, 0.4507**, and if you desaturate by 10%, it is **89.8027, 0.3386, 0.3956**.

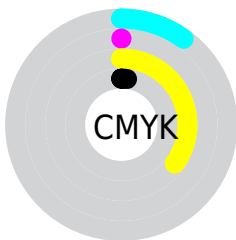
Distribution



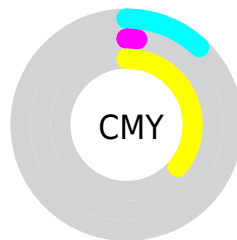
- Red (88%)
- Green (98%)
- Blue (64%)



- Red (64%)
- Yellow (98%)
- Blue (74%)



- Cyan (10%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)





- Cyan (12%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6105, 0.3482, 0.4233 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 87.6105, 0.3482, 0.4233 by changing the saturation by 10% instead.


 87.6105, 0.3482,
0.4233

 87.6105, 0.3482,
0.4233


520.2269, 0.3336,
0.3798

 66.0005, 0.3510,
0.4330


 144.0148, 0.3435,
0.4083

 48.2728, 0.3542,
0.4449


 179.5779, 0.3416,
0.4025

 34.0430, 0.3578,
0.4598


220.5608, 0.3399,
0.3974

 22.9266, 0.3618,
0.4787

267.3480, 0.3384,
0.3930

 14.5393, 0.3658,
0.5033

320.3238, 0.3370,
0.3891

 8.4967, 0.3687,
0.5363


379.8726, 0.3358,


 4.4144, 0.3755,


0.3857


0.5945


446.3788, 0.3346,
0.3826

 1.9080, 0.3534,
0.6466


 0.5532, 0.0000,
1.0000


 87.6105, 0.3482,
0.4233

 87.6105, 0.3482,
0.4233


 85.6549, 0.3568,
0.4507


 89.8027, 0.3386,
0.3956


 83.9130, 0.3639,
0.4766


 92.2302, 0.3285,
0.3684

 82.3762, 0.3690,
0.4997


 94.9067, 0.3182,
0.3425


 81.0306, 0.3716,
0.5190

 97.3551, 0.3125,
0.3252

 79.8599, 0.3717,
0.5335

 97.4801, 0.3129,
0.3252

 78.8443, 0.3693,
0.5431

 78.4215, 0.3676,
0.5463

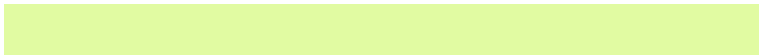
Harmonies

Analogous

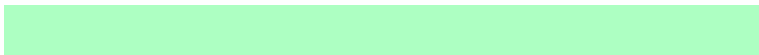
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6105, 0.3919, 0.4111



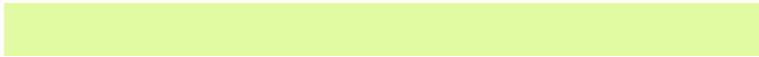
87.6105, 0.3482, 0.4233



87.6105, 0.2971, 0.4046

Triad

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



87.6105, 0.3482, 0.4233



87.6105, 0.2194, 0.2682



87.6105, 0.3736, 0.2987

Complementary

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



87.6105, 0.3482, 0.4233



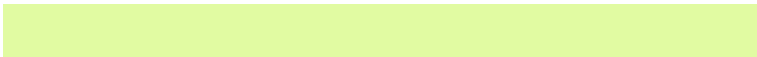
43.4996, 0.2666, 0.2271

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.



87.6105, 0.3221, 0.2672



87.6105, 0.3482, 0.4233



87.6105, 0.2357, 0.2487

Square

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



87.6105, 0.3482, 0.4233



87.6105, 0.2251, 0.3075



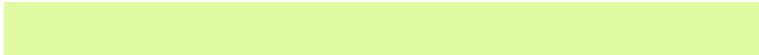
87.6105, 0.2719, 0.2492



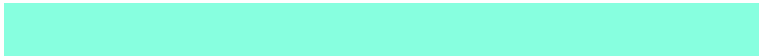
87.6105, 0.4088, 0.3382

Rectangle

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



87.6105, 0.3482, 0.4233



87.6105, 0.2658, 0.3762



87.6105, 0.2719, 0.2492



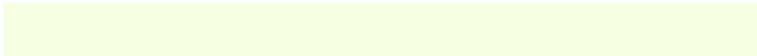
87.6105, 0.3573, 0.2870

Sweetspot

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



87.6144, 0.3482, 0.4233



96.8011, 0.3239, 0.3567



58.7529, 0.3886, 0.3560



20.6398, 0.3253, 0.3602



0.0000, 0.0000, 0.0000



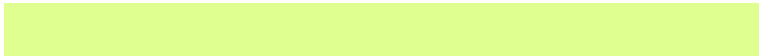
21.4041, 0.3127, 0.3290

Same Dimension

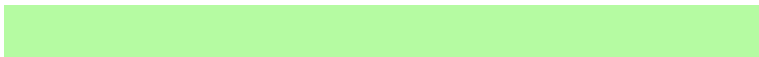
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6144, 0.3482, 0.4233



89.2545, 0.3548, 0.4441



81.4669, 0.3193, 0.4325



19.9210, 0.3224, 0.3528



41.2966, 0.3685, 0.5456



3.8792, 0.3747, 0.5407

Inverse Universe

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



43.4996, 0.2666, 0.2271



36.9726, 0.2542, 0.2023



49.9154, 0.3011, 0.2366



16.8888, 0.3025, 0.3048



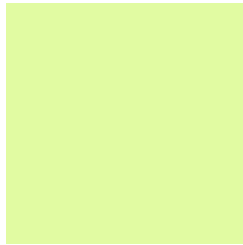
4.4780, 0.1691, 0.0705



0.4666, 0.1814, 0.0773

Previews

White Background



This preview shows how the Yxy color 87.6105, 0.3482, 0.4233 looks on a white background.

Color Contrast Check

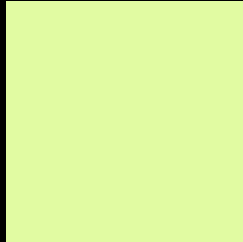
Large Text (above 18pt) WCAG AA × Fail

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 87.6105, 0.3482, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

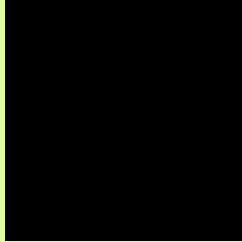
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

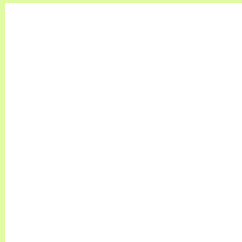
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6105, 0.3482, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 87.6105, 0.3482, 0.4233.

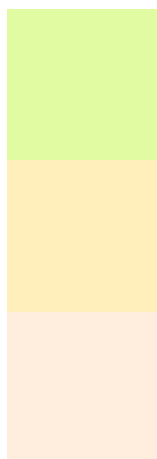


This preview shows how white text looks on a background with the Yxy color 87.6105, 0.3482, 0.4233.

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

87.6105, 0.3482, 0.4233

Protanopia

87.1680, 0.3567, 0.3822

Deuteranopia

87.1023, 0.3345, 0.3439



Tritanopia

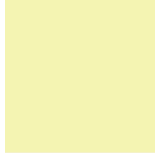
87.1301, 0.3025, 0.3131

Trichromacy



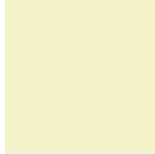
Original Color

87.6105, 0.3482, 0.4233



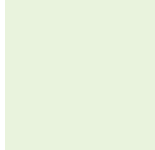
Protanomaly

87.1488, 0.3537, 0.3967



Deuteranomaly

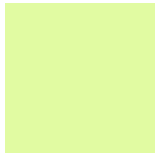
86.9075, 0.3402, 0.3720



Tritanomaly

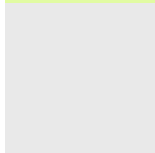
86.6453, 0.3195, 0.3517

Monochromacy



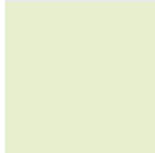
Original Color

87.6105, 0.3482, 0.4233



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6482, 0.3264, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6105, 0.3482, 0.4233 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(225, 251, 162)` looks like.

```
.text, #text, p{  
    color:rgb(225, 251, 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(225, 251, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 251, 162) }
```

Border

The CSS property to change the border of an element to Yxy 87.6105, 0.3482, 0.4233 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(225, 251, 162) }
```

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

```
.border{ border-color:rgb(225, 251, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 251, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 251, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 251, 162);  
box-shadow:4px 4px 4px 4px rgb(225, 251,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6105, 0.3482, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 251, 162) }
```

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

```
.background{ background-color: rgb(225,  
251, 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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