

Converting Colors

$Yxy(87.4823, 0.3555, 0.4597)$

Have a look what the booklet for
Yxy(87.4823, 0.3555, 0.4597)
contains.

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Color

Yxy(87.4821, 0.3555, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	D6FF84
RGB	214, 255, 132
RGB Percent	84%, 100%, 52%
CMY	0.1609, 0.0000, 0.4821
CMYK	0.16, 0.00, 0.48, 0.00
HSL	80°, 100%, 76%
HSV	80°, 48%, 100%
XYZ	67.6526, 87.4821, 35.1679
YIQ	228.7190, 15.0470, -46.9450

Conversions

Conversions Part 2

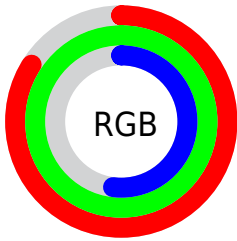
Format	Color
RYB	132, 255, 173
Decimal	14090116
CIELab	94.94, -31.77, 54.06
CIElCh	95, 62.703, 120.444
Yxy	87.4821, 0.3555, 0.4597
Android (android.graphics.Color)	4292280196 (0xFFD6FF84)
YUV	228.7190, -47.6825, -12.9086
Hunter-Lab	93.5319, -34.5699, 43.1793

Details

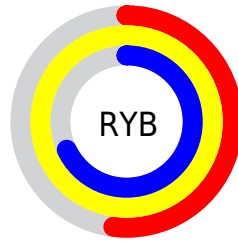
The Yxy color **87.4821, 0.3555, 0.4597** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.6310, 0.2492, 0.1867**, and the grayscale version is **78.4829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **48.1208, 0.3607, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **85.6167, 0.3614, 0.4857**, and if you desaturate by 10%, it is **89.5787, 0.3480, 0.4320**.

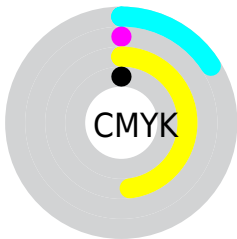
Distribution



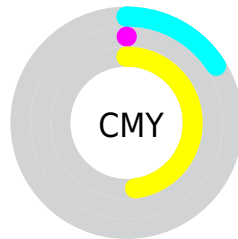
- Red (84%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (68%)



- Cyan (16%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4821, 0.3555, 0.4597 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 87.4821, 0.3555, 0.4597 by changing the saturation by 10% instead.


 87.4821, 0.3555,
0.4597


 87.4821, 0.3555,
0.4597

519.8057, 0.3393,
0.3993

 65.8942, 0.3582,
0.4731


 143.8359, 0.3507,
0.4390

 48.1866, 0.3609,
0.4893


 179.3707, 0.3486,
0.4309

 33.9746, 0.3634,
0.5091


 220.3232, 0.3467,
0.4238

 22.8741, 0.3651,
0.5339

267.0778, 0.3449,
0.4177

 14.5006, 0.3647,
0.5649

320.0190, 0.3433,
0.4123

 8.4696, 0.3614,
0.6076


379.5311, 0.3419,


 4.3969, 0.3438,

0.4075


0.6562


445.9986, 0.3405,
0.4032

 1.8980, 0.2957,
0.7043


 0.5472, 0.0000,
1.0000


 87.4821, 0.3555,
0.4597


 87.4821, 0.3555,
0.4597


 85.6167, 0.3614,
0.4857


 89.5787, 0.3480,
0.4320

 83.9784, 0.3651,
0.5088

 91.9283, 0.3393,
0.4037

 82.5484, 0.3663,
0.5276

 94.5392, 0.3300,
0.3760

 81.3088, 0.3650,
0.5415

 97.4218, 0.3205,
0.3495

■ 80.2351, 0.3614,
0.5505

100.0000, 0.3127,
0.3290

■ 80.0549, 0.3606,
0.5519

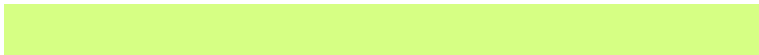
Harmonies

Analogous

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



87.4821, 0.4159, 0.4389



87.4821, 0.3555, 0.4597



87.4821, 0.2871, 0.4343

Triad

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



87.4821, 0.3555, 0.4597



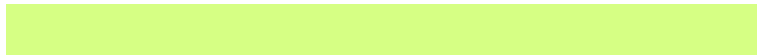
87.4821, 0.1902, 0.2446



87.4821, 0.3980, 0.2893

Complementary

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



87.4821, 0.3555, 0.4597



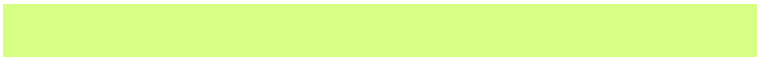
32.6310, 0.2492, 0.1867

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.



87.4821, 0.3268, 0.2487



87.4821, 0.3555, 0.4597



87.4821, 0.2118, 0.2221

Square

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



87.4821, 0.3555, 0.4597



87.4821, 0.1957, 0.2950



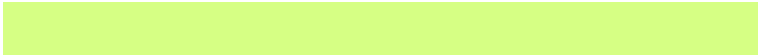
87.4821, 0.2590, 0.2247



87.4821, 0.4455, 0.3399

Rectangle

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



87.4821, 0.3555, 0.4597



87.4821, 0.2462, 0.3925



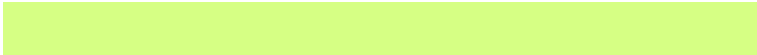
87.4821, 0.2590, 0.2247



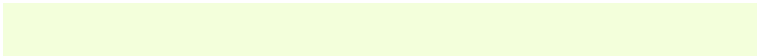
87.4821, 0.3755, 0.2743

Sweetspot

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



87.4790, 0.3555, 0.4597



95.7203, 0.3260, 0.3647



52.8283, 0.4249, 0.3719



20.3573, 0.3281, 0.3704



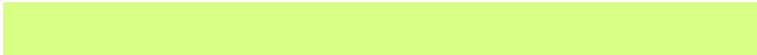
0.0000, 0.0000, 0.0000



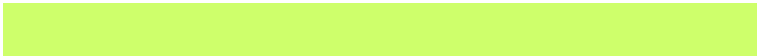
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4790, 0.3555, 0.4597



85.6542, 0.3612, 0.4852



79.9155, 0.3165, 0.4775



20.7693, 0.3217, 0.3528



41.9154, 0.3616, 0.5511



4.1410, 0.3682, 0.5458

Inverse Universe

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



32.6310, 0.2492, 0.1867



24.8700, 0.2328, 0.1560



41.3158, 0.3004, 0.2054



17.6722, 0.3031, 0.3048



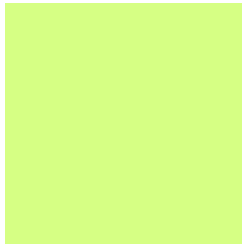
4.8567, 0.1744, 0.0734



0.5298, 0.1865, 0.0801

Previews

White Background



This preview shows how the Yxy color 87.4821, 0.3555, 0.4597 looks on a white background.

Color Contrast Check

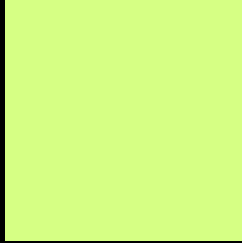
Large Text (above 18pt) WCAG AA × Fail

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 87.4821, 0.3555, 0.4597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

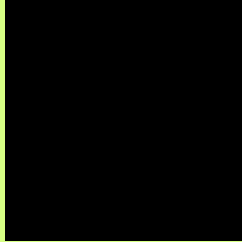
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4821, 0.3555, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 87.4821, 0.3555, 0.4597.

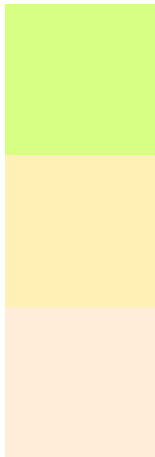


This preview shows how white text looks on a background with the Yxy color 87.4821, 0.3555, 0.4597.

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

87.4821, 0.3555, 0.4597

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

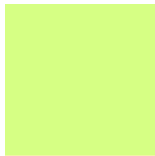
86.8903, 0.3371, 0.3479



Tritanopia

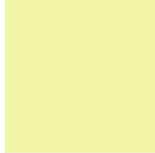
87.4542, 0.2993, 0.3150

Trichromacy



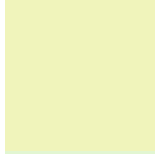
Original Color

87.4821, 0.3555, 0.4597



Protanomaly

86.5104, 0.3591, 0.4126



Deuteranomaly

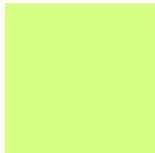
86.8145, 0.3452, 0.3880



Tritanomaly

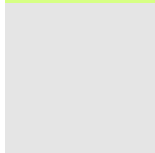
86.7334, 0.3213, 0.3669

Monochromacy



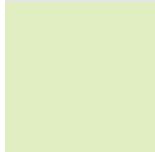
Original Color

87.4821, 0.3555, 0.4597



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.8914, 0.3307, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4821, 0.3555, 0.4597 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(214, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 132)  
}
```

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(214, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 87.4821, 0.3555, 0.4597 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(214, 255, 132) }
```

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

```
.border{ border-color:rgb(214, 255, 132) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4821, 0.3555, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 132) }
```

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

```
.background{ background-color: rgb(214,  
255, 132) }
```

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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