

Converting Colors

$Yxy(95.6931, 0.3432, 0.4518)$

Have a look what the booklet for
Yxy(95.6931, 0.3432, 0.4518)
contains.

Yxy(87.8681, 0.3457, 0.4421)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8681, 0.3457, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	D5FF96
RGB	213, 255, 150
RGB Percent	84%, 100%, 59%
CMY	0.1646, 0.0000, 0.4119
CMYK	0.16, 0.00, 0.41, 0.00
HSL	84°, 100%, 79%
HSV	84°, 41%, 100%
XYZ	68.7084, 87.8681, 42.1751
YIQ	230.4720, 8.6730, -41.5590

Conversions

Conversions Part 2

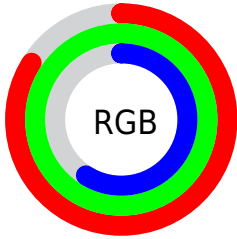
Format	Color
RYB	150, 255, 192
Decimal	14024598
CIELab	95.11, -30.16, 45.77
CIElCh	95, 54.816, 123.385
Yxy	87.8681, 0.3457, 0.4421
Android (android.graphics.Color)	4292214678 (0xFFD5FF96)
YUV	230.4720, -39.6727, -15.3229
Hunter-Lab	93.7380, -33.2038, 38.9405

Details

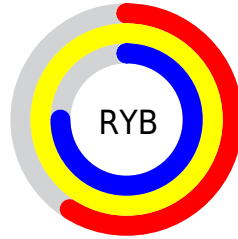
The Yxy color **87.8681, 0.3457, 0.4421** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.2179, 0.2659, 0.2110**, and the grayscale version is **79.7957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **48.4193, 0.3506, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **85.6605, 0.3516, 0.4705**, and if you desaturate by 10%, it is **90.3556, 0.3385, 0.4131**.

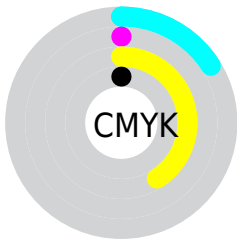
Distribution



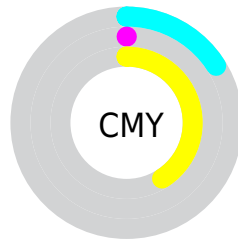
- Red (84%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (75%)



- Cyan (16%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8681, 0.3457, 0.4421 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 87.8681, 0.3457, 0.4421 by changing the saturation by 10% instead.


 87.8681, 0.3457,
0.4421

 87.8681, 0.3457,
0.4421


521.0712, 0.3330,
0.3896

 66.2138, 0.3479,
0.4539


 144.3735, 0.3418,
0.4240

 48.4460, 0.3502,
0.4683


 179.9934, 0.3402,
0.4169

 34.1802, 0.3526,
0.4863


221.0374, 0.3387,
0.4108

 23.0321, 0.3546,
0.5090

267.8898, 0.3373,
0.4055

 14.6172, 0.3554,
0.5385

320.9349, 0.3361,
0.4008

 8.5512, 0.3528,
0.5774


380.5573, 0.3349,


 4.4496, 0.3519,


0.3966


0.6481


447.1412, 0.3339,
0.3929


 1.9281, 0.3067,
0.6933


 0.5652, 0.0000,
1.0000


 87.8681, 0.3457,
0.4421


 87.8681, 0.3457,
0.4421


 85.6605, 0.3516,
0.4705

 90.3556, 0.3385,
0.4131


 83.7112, 0.3557,
0.4970

 93.1272, 0.3305,
0.3846

 82.0080, 0.3577,
0.5203

 96.1971, 0.3221,
0.3573

 80.5340, 0.3571,
0.5390

 99.5761, 0.3137,
0.3319

■ 79.2692, 0.3542,
0.5524

100.0000, 0.3127,
0.3290

■ 78.3023, 0.3500,
0.5603

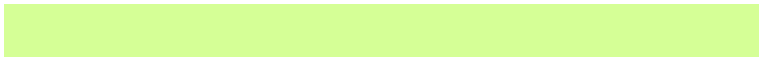
Harmonies

Analogous

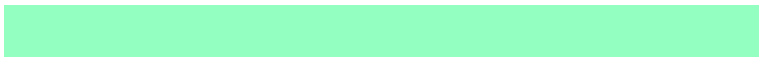
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8681, 0.4000, 0.4295



87.8681, 0.3457, 0.4421



87.8681, 0.2854, 0.4151

Triad

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



87.8681, 0.3457, 0.4421



87.8681, 0.2045, 0.2520



87.8681, 0.3926, 0.2986

Complementary

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



87.8681, 0.3457, 0.4421



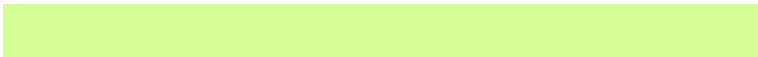
40.2179, 0.2659, 0.2110

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.



87.8681, 0.3318, 0.2606



87.8681, 0.3457, 0.4421



87.8681, 0.2264, 0.2334

Square

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



87.8681, 0.3457, 0.4421



87.8681, 0.2073, 0.2948



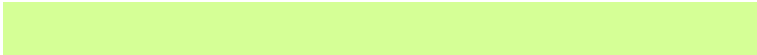
87.8681, 0.2710, 0.2374



87.8681, 0.4308, 0.3447

Rectangle

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



87.8681, 0.3457, 0.4421



87.8681, 0.2500, 0.3779



87.8681, 0.2710, 0.2374



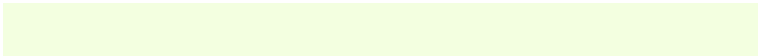
87.8681, 0.3737, 0.2847

Sweetspot

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



87.8708, 0.3457, 0.4421



95.9377, 0.3228, 0.3595



60.3854, 0.4009, 0.3713



20.4458, 0.3239, 0.3630



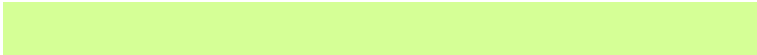
0.0000, 0.0000, 0.0000



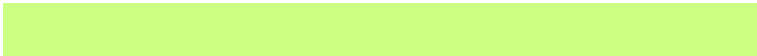
21.4041, 0.3127, 0.3290

Same Dimension

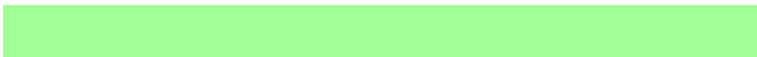
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8708, 0.3457, 0.4421



86.1222, 0.3504, 0.4644



81.4246, 0.3136, 0.4543



20.7075, 0.3207, 0.3529



41.0038, 0.3511, 0.5594



4.0560, 0.3587, 0.5534

Inverse Universe

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



40.2179, 0.2659, 0.2110



32.8994, 0.2544, 0.1866



48.0295, 0.3072, 0.2242



17.7319, 0.3041, 0.3049



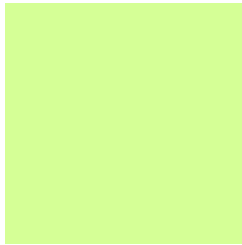
5.3265, 0.1842, 0.0788



0.5801, 0.1967, 0.0857

Previews

White Background



This preview shows how the Yxy color 87.8681, 0.3457, 0.4421 looks on a white background.

Color Contrast Check

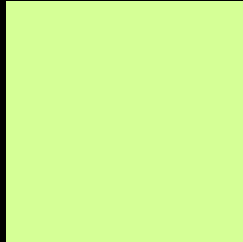
Large Text (above 18pt) WCAG AA × Fail

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 87.8681, 0.3457, 0.4421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

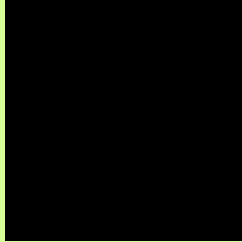
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8681, 0.3457, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 87.8681, 0.3457, 0.4421.

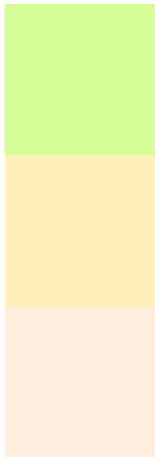


This preview shows how white text looks on a background with the Yxy color 87.8681, 0.3457, 0.4421.

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

87.8681, 0.3457, 0.4421

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

87.0488, 0.3351, 0.3449



Tritanopia

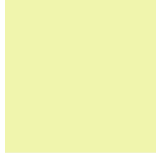
87.2864, 0.2987, 0.3149

Trichromacy



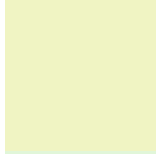
Original Color

87.8681, 0.3457, 0.4421



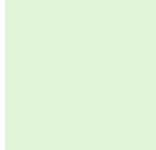
Protanomaly

86.8472, 0.3537, 0.4034



Deuteranomaly

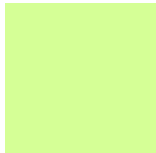
87.1668, 0.3403, 0.3796



Tritanomaly

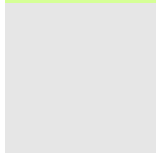
86.9288, 0.3164, 0.3594

Monochromacy



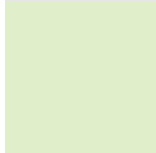
Original Color

87.8681, 0.3457, 0.4421



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.7973, 0.3262, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8681, 0.3457, 0.4421 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(213, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 150)  
}
```

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(213, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 87.8681, 0.3457, 0.4421 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(213, 255, 150) }
```

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

```
.border{ border-color:rgb(213, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8681, 0.3457, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 150) }
```

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

```
.background{ background-color: rgb(213,  
255, 150) }
```

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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