

Converting Colors

Yxy(87.6183, 0.3502, 0.4446)

Have a look what the booklet for
Yxy(87.6183, 0.3502, 0.4446)
contains.

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Color

Yxy(87.5579, 0.3501, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	D8FE92
RGB	216, 254, 146
RGB Percent	85%, 100%, 57%
CMY	0.1527, 0.0040, 0.4274
CMYK	0.15, 0.00, 0.43, 0.00
HSL	81°, 98%, 78%
HSV	81°, 43%, 100%
XYZ	68.9629, 87.5579, 40.4598
YIQ	230.3260, 12.0200, -41.6440

Conversions

Conversions Part 2

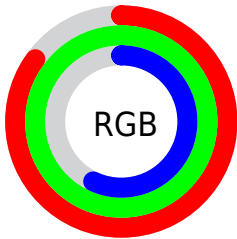
Format	Color
RYB	146, 254, 184
Decimal	14220946
CIELab	94.97, -29.05, 47.55
CIElCh	95, 55.719, 121.419
Yxy	87.5579, 0.3501, 0.4445
Android (android.graphics.Color)	4292411026 (0xFFD8FE92)
YUV	230.3260, -41.5727, -12.5639
Hunter-Lab	93.5724, -32.1970, 39.8642

Details

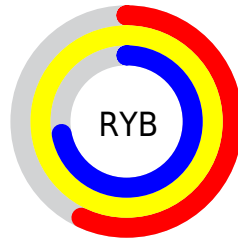
The Yxy color **87.5579, 0.3501, 0.4445** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.8957, 0.2599, 0.2056**, and the grayscale version is **79.7022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **48.0937, 0.3551, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **85.5345, 0.3566, 0.4719**, and if you desaturate by 10%, it is **89.8384, 0.3422, 0.4161**.

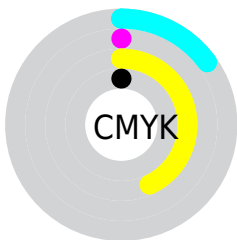
Distribution



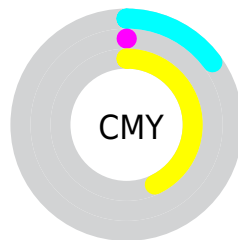
- Red (85%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (72%)



- Cyan (15%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5579, 0.3501, 0.4445 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 87.5579, 0.3501, 0.4445 by changing the saturation by 10% instead.


 87.5579, 0.3501,
0.4445

 87.5579, 0.3501,
0.4445


520.0544, 0.3355,
0.3910

 65.9570, 0.3527,
0.4565


 143.9415, 0.3456,
0.4261

 48.2375, 0.3554,
0.4710


 179.4930, 0.3437,
0.4189

 34.0150, 0.3582,
0.4891


220.4635, 0.3420,
0.4127

 22.9051, 0.3607,
0.5119

267.2373, 0.3405,
0.4072

 14.5235, 0.3620,
0.5412

320.1989, 0.3390,
0.4024

 8.4856, 0.3598,
0.5793


379.7327, 0.3378,

 4.4072, 0.3567,


0.3982


0.6433


446.2231, 0.3366,
0.3944


 1.9039, 0.3129,
0.6871

 0.5507, 0.0000,
1.0000


 87.5579, 0.3501,
0.4445

 87.5579, 0.3501,
0.4445


 85.5345, 0.3566,
0.4719


 89.8384, 0.3422,
0.4161


 83.7437, 0.3613,
0.4972

 92.3762, 0.3334,
0.3879

 82.1749, 0.3637,
0.5189

 95.1861, 0.3242,
0.3608

 80.8118, 0.3636,
0.5360

 98.2783, 0.3150,
0.3352

■ 79.6345, 0.3610,
0.5480

99.3578, 0.3128,
0.3280

■ 78.8540, 0.3578,
0.5541

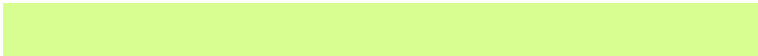
Harmonies

Analogous

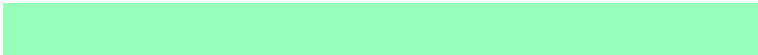
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5579, 0.4044, 0.4292



87.5579, 0.3501, 0.4445



87.5579, 0.2887, 0.4198

Triad

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



87.5579, 0.3501, 0.4445



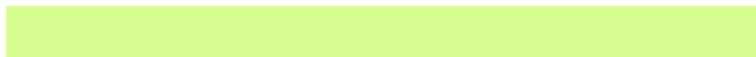
87.5579, 0.2023, 0.2528



87.5579, 0.3904, 0.2951

Complementary

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



87.5579, 0.3501, 0.4445



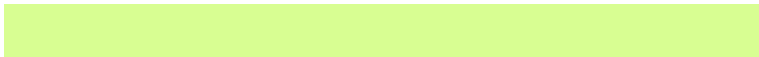
37.8957, 0.2599, 0.2056

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.



87.5579, 0.3278, 0.2575



87.5579, 0.3501, 0.4445



87.5579, 0.2228, 0.2324

Square

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



87.5579, 0.3501, 0.4445



87.5579, 0.2067, 0.2978



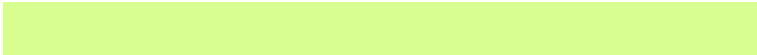
87.5579, 0.2667, 0.2351



87.5579, 0.4314, 0.3416

Rectangle

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



87.5579, 0.3501, 0.4445



87.5579, 0.2521, 0.3829



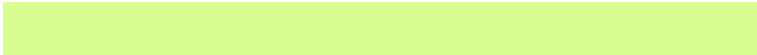
87.5579, 0.2667, 0.2351



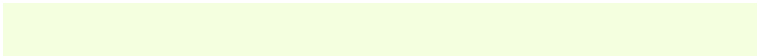
87.5579, 0.3708, 0.2813

Sweetspot

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



87.5618, 0.3501, 0.4445



95.9042, 0.3247, 0.3620



57.3420, 0.4063, 0.3689



20.3889, 0.3267, 0.3679



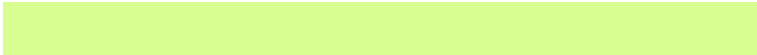
0.0000, 0.0000, 0.0000



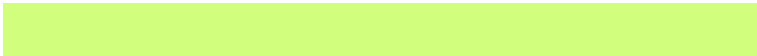
21.4041, 0.3127, 0.3290

Same Dimension

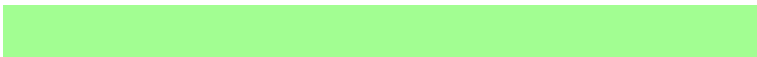
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5618, 0.3501, 0.4445



86.6020, 0.3558, 0.4679



80.6557, 0.3156, 0.4581



20.7529, 0.3215, 0.3529



41.6617, 0.3587, 0.5534



4.1175, 0.3657, 0.5479

Inverse Universe

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



37.8957, 0.2599, 0.2056



30.4906, 0.2464, 0.1785



45.8552, 0.3039, 0.2199



17.6880, 0.3034, 0.3048



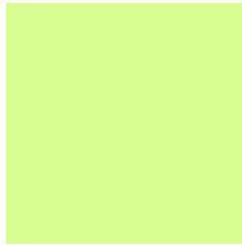
4.9719, 0.1768, 0.0748



0.5424, 0.1891, 0.0815

Previews

White Background



This preview shows how the Yxy color 87.5579, 0.3501, 0.4445 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 87.5579, 0.3501, 0.4445 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 87.5579, 0.3501, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 87.5579, 0.3501, 0.4445.

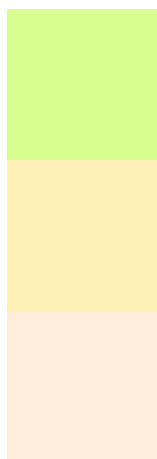


This preview shows how white text looks on a background with the Yxy color 87.5579, 0.3501, 0.4445.

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

87.5579, 0.3501, 0.4445

Protanopia

87.0409, 0.3587, 0.3852

Deuteranopia

86.9957, 0.3358, 0.3459



Tritanopia

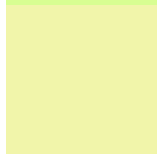
87.4542, 0.2993, 0.3150

Trichromacy



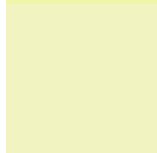
Original Color

87.5579, 0.3501, 0.4445



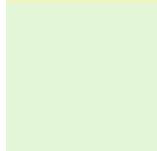
Protanomaly

86.9079, 0.3562, 0.4063



Deuteranomaly

86.6522, 0.3424, 0.3806



Tritanomaly

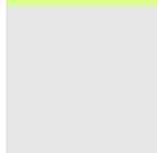
87.1487, 0.3189, 0.3615

Monochromacy



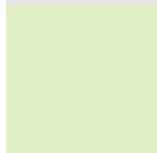
Original Color

87.5579, 0.3501, 0.4445



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.8641, 0.3281, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5579, 0.3501, 0.4445 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(216, 254, 146)` looks like.

```
.text, #text, p{  
    color:rgb(216, 254, 146)  
}
```

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(216, 254, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 254, 146) }
```

Border

The CSS property to change the border of an element to Yxy 87.5579, 0.3501, 0.4445 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(216, 254, 146) }
```

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

```
.border{ border-color:rgb(216, 254, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 254, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 254, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 254, 146);  
box-shadow:4px 4px 4px 4px rgb(216, 254,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5579, 0.3501, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 254, 146) }
```

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

```
.background{ background-color: rgb(216,  
254, 146) }
```

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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