

Converting Colors

$Yxy(88.8392, 0.3455, 0.4341)$

Have a look what the booklet for
Yxy(88.8392, 0.3455, 0.4341)
contains.

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Color

Yxy(88.8597, 0.3453, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	DAFF9D
RGB	218, 255, 157
RGB Percent	85%, 100%, 62%
CMY	0.1450, 0.0000, 0.3844
CMYK	0.14, 0.00, 0.38, 0.00
HSL	83°, 100%, 81%
HSV	83°, 38%, 100%
XYZ	70.7640, 88.8597, 45.3111
YIQ	232.7650, 9.4060, -38.3220

Conversions

Conversions Part 2

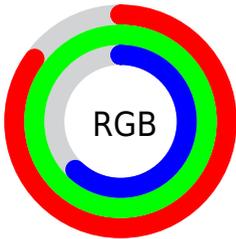
Format	Color
RYB	157, 255, 194
Decimal	14352285
CIELab	95.52, -27.53, 42.96
CIELCh	96, 51.024, 122.649
Yxy	88.8597, 0.3453, 0.4336
Android (android.graphics.Color)	4292542365 (0xFFDAFF9D)
YUV	232.7650, -37.3521, -12.9489
Hunter-Lab	94.2654, -30.9666, 37.4866

Details

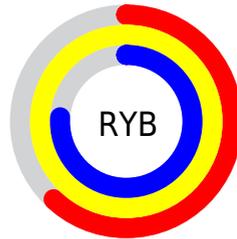
The Yxy color **88.8597, 0.3453, 0.4336** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.7912, 0.2681, 0.2192**, and the grayscale version is **81.5848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **49.0690, 0.3505, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **86.6411, 0.3520, 0.4620**, and if you desaturate by 10%, it is **91.3536, 0.3374, 0.4049**.

Distribution



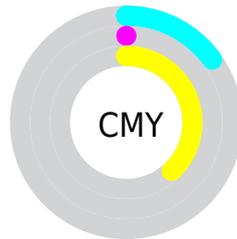
- Red (85%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (76%)



- Cyan (14%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8597, 0.3453, 0.4336 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 88.8597, 0.3453, 0.4336 by changing the saturation by 10% instead.

 88.8597, 0.3453,
0.4336

 88.8597, 0.3453,
0.4336

524.3145, 0.3324,
0.3852

 67.0353, 0.3476,
0.4445

 145.7534, 0.3413,
0.4169

 49.1133, 0.3502,
0.4577

 181.5916, 0.3396,
0.4104

 34.7094, 0.3529,
0.4742

222.8697, 0.3381,
0.4048

 23.4391, 0.3556,
0.4953

269.9722, 0.3367,
0.3999

 14.9181, 0.3575,
0.5226

323.2836, 0.3355,
0.3956

 8.7619, 0.3572,
0.5590

383.1882, 0.3344,

 4.5862, 0.3618,

0.3917

0.6282

450.0703, 0.3334,
0.3883

■ 2.0066, 0.3252,
0.6748

■ 0.6113, 0.0000,
1.0000

■ 88.8597, 0.3453,
0.4336

■ 88.8597, 0.3453,
0.4336

■ 86.6411, 0.3520,
0.4620

■ 91.3536, 0.3374,
0.4049

■ 84.6738, 0.3571,
0.4887

■ 94.1234, 0.3289,
0.3768

■ 82.9472, 0.3600,
0.5126

■ 97.1838, 0.3201,
0.3501

■ 81.4455, 0.3605,
0.5322

100.0000, 0.3127,
0.3290

■ 80.1500, 0.3585,
0.5467

■ 79.0350, 0.3543,
0.5562

■ 78.8720, 0.3536,
0.5575

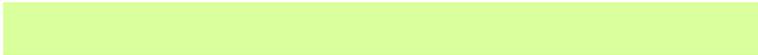
Harmonies

Analogous

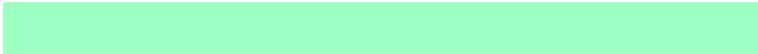
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8597, 0.3954, 0.4222



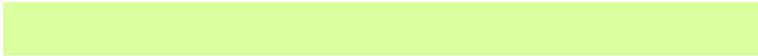
88.8597, 0.3453, 0.4336



88.8597, 0.2890, 0.4093

Triad

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



88.8597, 0.3453, 0.4336



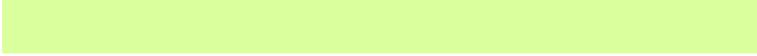
88.8597, 0.2113, 0.2582



88.8597, 0.3856, 0.2998

Complementary

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



88.8597, 0.3453, 0.4336



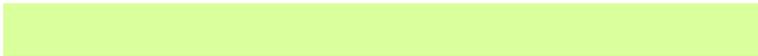
42.7912, 0.2681, 0.2192

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.



88.8597, 0.3292, 0.2643



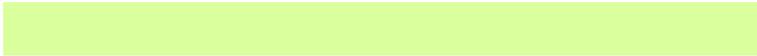
88.8597, 0.3453, 0.4336



88.8597, 0.2314, 0.2399

Square

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



88.8597, 0.3453, 0.4336



88.8597, 0.2146, 0.2990



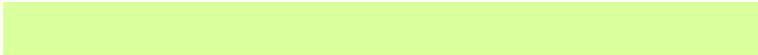
88.8597, 0.2728, 0.2429



88.8597, 0.4217, 0.3432

Rectangle

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



88.8597, 0.3453, 0.4336



88.8597, 0.2557, 0.3756



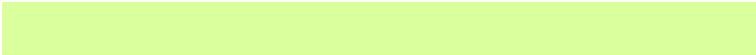
88.8597, 0.2728, 0.2429



88.8597, 0.3681, 0.2868

Sweetspot

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



88.8635, 0.3453, 0.4336



96.0598, 0.3233, 0.3594



61.7992, 0.3939, 0.3668



20.4745, 0.3244, 0.3629



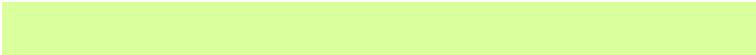
0.0000, 0.0000, 0.0000



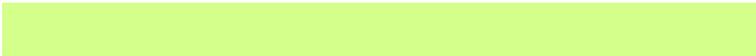
21.4041, 0.3127, 0.3290

Same Dimension

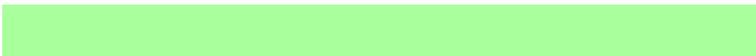
The Same Dimension uses a secret algorithm to generate beautiful new colors.



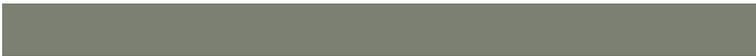
88.8635, 0.3453, 0.4336



87.1590, 0.3505, 0.4551



82.5055, 0.3147, 0.4444



20.7285, 0.3211, 0.3529



41.3005, 0.3546, 0.5567



4.0839, 0.3619, 0.5509

Inverse Universe

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



42.7912, 0.2681, 0.2192



35.2494, 0.2568, 0.1952



50.1930, 0.3064, 0.2306



17.7115, 0.3038, 0.3048



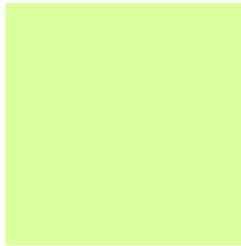
5.1557, 0.1806, 0.0769



0.5621, 0.1931, 0.0837

Previews

White Background



This preview shows how the Yxy color 88.8597, 0.3453, 0.4336 looks on a white background.

Color Contrast Check

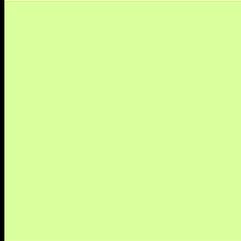
Large Text (above 18pt) WCAG AA × Fail

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 88.8597, 0.3453, 0.4336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

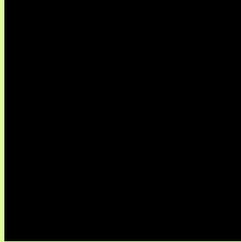
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.8597, 0.3453, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 88.8597, 0.3453, 0.4336.

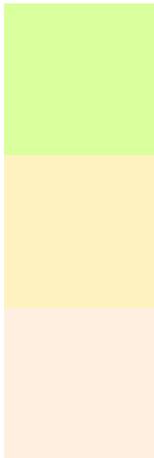


This preview shows how white text looks on a background with the Yxy color 88.8597, 0.3453, 0.4336.

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

88.8597, 0.3453, 0.4336

Protanopia

88.6145, 0.3524, 0.3780

Deuteranopia

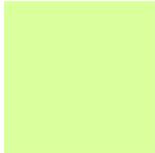
88.3748, 0.3329, 0.3439



Tritanopia

88.5571, 0.3012, 0.3160

Trichromacy



Original Color

88.8597, 0.3453, 0.4336



Protanomaly

88.6941, 0.3503, 0.3977



Deuteranomaly

88.3522, 0.3383, 0.3751



Tritanomaly

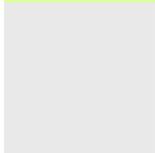
88.2940, 0.3178, 0.3581

Monochromacy



Original Color

88.8597, 0.3453, 0.4336



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.8124, 0.3262, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8597, 0.3453, 0.4336 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(218, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 157)  
}
```

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(218, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 88.8597, 0.3453, 0.4336 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(218, 255, 157) }
```

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

```
.border{ border-color:rgb(218, 255, 157) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
157) }
```

Background

The CSS property to change the background color of an element to Yxy 88.8597, 0.3453, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 157) }
```

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

```
.background{ background-color: rgb(218,  
255, 157) }
```

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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