

Converting Colors

$Yxy(88.2607, 0.3853, 0.4959)$

Have a look what the booklet for
Yxy(88.2607, 0.3853, 0.4959)
contains.

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Color

Yxy(88.2828, 0.3852, 0.4957)

Conversions

Conversions Part 1

Format	Color
Hex	E2FF51
RGB	226, 255, 81
RGB Percent	89%, 100%, 32%
CMY	0.1138, 0.0000, 0.6823
CMYK	0.11, 0.00, 0.68, 0.00
HSL	70°, 100%, 66%
HSV	70°, 68%, 100%
XYZ	68.6031, 88.2828, 21.2114
YIQ	226.4930, 38.5700, -60.2620

Conversions

Conversions Part 2

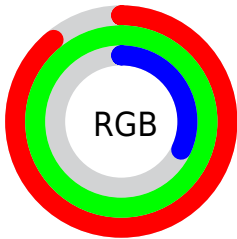
Format	Color
R_{YB}	81, 255, 110
Decimal	14876497
CIE _{Lab}	95.28, -31.15, 75.92
CIE _{LCh}	95, 82.062, 112.305
Yxy	88.2828, 0.3852, 0.4957
Android (android.graphics.Color)	4293066577 (0xFFE2FF51)
YUV	226.4930, -71.7280, -0.4324
Hunter-Lab	93.9589, -34.0984, 52.3864

Details

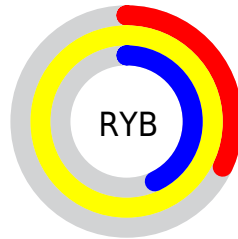
The Yxy color **88.2828, 0.3852, 0.4957** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **16.4254, 0.1957, 0.1172**, and the grayscale version is **76.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **48.6037, 0.3918, 0.5271** is the 20% darker color. If you saturate the color by 10%, you get **87.2857, 0.3893, 0.5110**, and if you desaturate by 10%, it is **89.4318, 0.3785, 0.4762**.

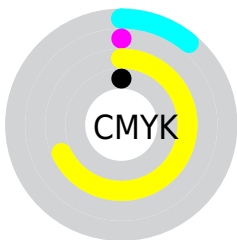
Distribution



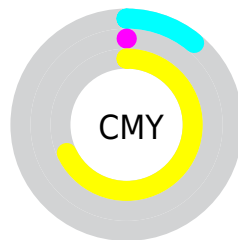
- Red (89%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (43%)



- Cyan (11%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2828, 0.3852, 0.4957 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 88.2828, 0.3852, 0.4957 by changing the saturation by 10% instead.

 88.2828, 0.3852,
0.4957

 88.2828, 0.3852,
0.4957


522.4289, 0.3592,
0.4218


 66.5573, 0.3888,
0.5108


 144.9508, 0.3780,
0.4713


 48.7249, 0.3920,
0.5282

 180.6621, 0.3747,
0.4615

 34.4013, 0.3942,
0.5484


 221.8041, 0.3716,
0.4528

 23.2021, 0.3940,
0.5713

 268.7613, 0.3687,
0.4451

 14.7428, 0.3924,
0.6015

321.9179, 0.3660,
0.4383

 8.6391, 0.3760,
0.6240

381.6585, 0.3636,

 4.5065, 0.3479,

0.4322

0.6521

448.3673, 0.3613,
0.4267

■ 1.9607, 0.3018,
0.6982

■ 0.5845, 0.0000,
1.0000

■ 88.2828, 0.3852,
0.4957

■ 88.2828, 0.3852,
0.4957

■ 87.2857, 0.3893,
0.5110

■ 89.4318, 0.3785,
0.4762

■ 86.4365, 0.3908,
0.5217


■ 90.7603, 0.3697,
0.4533

■ 85.7071, 0.3899,
0.5280

■ 92.2767, 0.3591,
0.4281

■ 85.5846, 0.3896,
0.5289

■ 93.9925, 0.3474,
0.4018

 95.9182, 0.3351,
0.3753

 98.0636, 0.3227,
0.3494

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



88.2828, 0.4571, 0.4493



88.2828, 0.3852, 0.4957



88.2828, 0.2993, 0.4871

Triad

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



88.2828, 0.3852, 0.4957



88.2828, 0.1589, 0.2329



88.2828, 0.3994, 0.2627

Complementary

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



88.2828, 0.3852, 0.4957



16.4254, 0.1957, 0.1172

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.



88.2828, 0.3039, 0.2185



88.2828, 0.3852, 0.4957



88.2828, 0.1763, 0.1988

Square

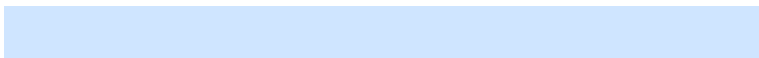
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2828, 0.3852, 0.4957



88.2828, 0.1730, 0.3052



88.2828, 0.2247, 0.1958



88.2828, 0.4739, 0.3208

Rectangle

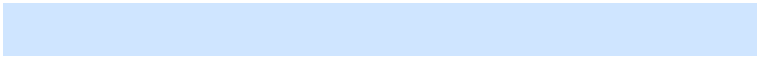
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.2828, 0.3852, 0.4957



88.2828, 0.2451, 0.4397



88.2828, 0.2247, 0.1958



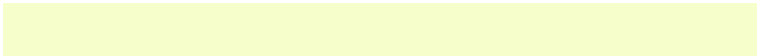
88.2828, 0.3677, 0.2459

Sweetspot

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



88.2785, 0.3852, 0.4957



95.5613, 0.3373, 0.3800



33.0094, 0.5198, 0.3552



20.3359, 0.3408, 0.3874



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.



88.2785, 0.3852, 0.4957



86.9496, 0.3902, 0.5156



77.6043, 0.3286, 0.5325



20.9284, 0.3243, 0.3527



44.7765, 0.3901, 0.5285



4.3986, 0.3936, 0.5257

Inverse Universe

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



16.4254, 0.1957, 0.1172



10.9062, 0.1739, 0.0847



24.9786, 0.2650, 0.1504



17.5233, 0.3005, 0.3046



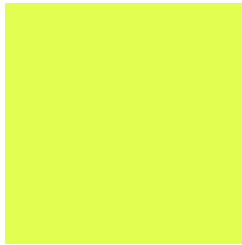
4.0782, 0.1571, 0.0639



0.4360, 0.1661, 0.0689

Previews

White Background



This preview shows how the Yxy color 88.2828, 0.3852, 0.4957 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 88.2828, 0.3852, 0.4957 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 88.2828, 0.3852, 0.4957

Background



This preview shows how black text looks on a background with the Yxy color 88.2828, 0.3852, 0.4957.



This preview shows how white text looks on a background with the Yxy color 88.2828, 0.3852, 0.4957.

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

88.2828, 0.3852, 0.4957

Protanopia

87.7158, 0.3571, 0.3841

Deuteranopia

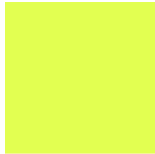
87.5235, 0.3363, 0.3479



Tritanopia

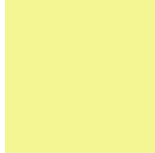
88.0077, 0.3057, 0.3132

Trichromacy



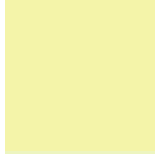
Original Color

88.2828, 0.3852, 0.4957



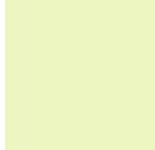
Protanomaly

87.2827, 0.3710, 0.4283



Deuteranomaly

86.7990, 0.3592, 0.4059



Tritanomaly

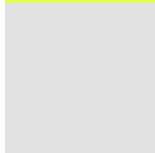
87.1151, 0.3399, 0.3841

Monochromacy



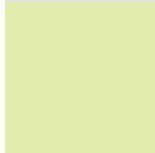
Original Color

88.2828, 0.3852, 0.4957



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.7543, 0.3456, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2828, 0.3852, 0.4957 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(226, 255, 81)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 81)  
}
```

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(226, 255, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 81) }
```

Border

The CSS property to change the border of an element to Yxy 88.2828, 0.3852, 0.4957 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(226, 255, 81) }
```

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

```
.border{ border-color:rgb(226, 255, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 81);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2828, 0.3852, 0.4957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 81) }
```

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

```
.background{ background-color: rgb(226,  
255, 81) }
```

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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