

Converting Colors

Yxy(88.7944, 0.3970, 0.5079)

Have a look what the booklet for
Yxy(88.7944, 0.3970, 0.5079)
contains.

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Color

Yxy(88.7479, 0.3968, 0.5081)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E7FF33 |
| RGB | 231, 255, 51 |
| RGB Percent | 91%, 100%, 20% |
| CMY | 0.0942, 0.0000, 0.7999 |
| CMYK | 0.09, 0.00, 0.80, 0.00 |
| HSL | 67°, 100%, 60% |
| HSV | 67°, 80%, 100% |
| XYZ | 69.3076, 88.7479, 16.6108 |
| YIQ | 224.5680, 51.1800, -68.5320 |

Conversions

Conversions Part 2

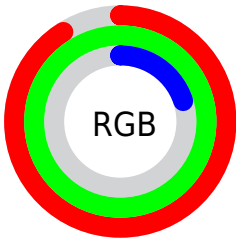
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 51, 255, 75 |
| Decimal | 15204147 |
| CIE _{Lab} | 95.47, -30.46, 85.33 |
| CIE _{LCh} | 95, 90.604, 109.642 |
| Yxy | 88.7479, 0.3968, 0.5081 |
| Android (android.graphics.Color) | 4293394227 (0xFFE7FF33) |
| YUV | 224.5680, -85.5690, 5.6409 |
| Hunter-Lab | 94.2061, -33.5380, 55.4900 |

Details

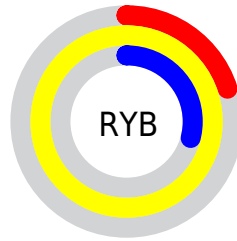
The Yxy color **88.7479, 0.3968, 0.5081** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.0875, 0.1719, 0.0861**, and the grayscale version is **75.5636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **49.0461, 0.3954, 0.5243** is the 20% darker color. If you saturate the color by 10%, you get **88.0823, 0.3987, 0.5170**, and if you desaturate by 10%, it is **89.5383, 0.3923, 0.4946**.

Distribution



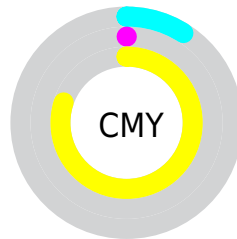
- Red (91%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (29%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7479, 0.3968, 0.5081 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 88.7479, 0.3968, 0.5081 by changing the saturation by 10% instead.


 88.7479, 0.3968,
0.5081


 88.7479, 0.3968,
0.5081

523.9494, 0.3679,
0.4308

 66.9426, 0.4004,
0.5231


 145.5979, 0.3892,
0.4833

 49.0380, 0.4032,
0.5399


 181.4115, 0.3855,
0.4730


 34.6496, 0.4045,
0.5587


 222.6633, 0.3820,
0.4639

 23.3931, 0.4029,
0.5793

 269.7377, 0.3788,
0.4557

 14.8840, 0.3972,
0.6028

 323.0191, 0.3757,
0.4485

 8.7380, 0.3790,
0.6210

382.8919, 0.3729,


 4.5707, 0.3518,

0.4420

0.6482

449.7405, 0.3703,
0.4361


 1.9977, 0.3071,
0.6929


 0.6061, 0.0000,
1.0000


 88.7479, 0.3968,
0.5081


 88.7479, 0.3968,
0.5081


 88.0823, 0.3987,
0.5170


 89.5383, 0.3923,
0.4946

 87.5230, 0.3983,
0.5219

 90.4815, 0.3851,
0.4768

 87.5225, 0.3983,
0.5219

 91.5890, 0.3757,
0.4554

 92.8736, 0.3645,
0.4314

■ 94.3471, 0.3521,
0.4058

■ 96.0199, 0.3390,
0.3797

■ 97.9019, 0.3257,
0.3538

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.



88.7479, 0.4735, 0.4508



88.7479, 0.3968, 0.5081



88.7479, 0.3042, 0.5097

Triad

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



88.7479, 0.3968, 0.5081



88.7479, 0.1469, 0.2285



88.7479, 0.3985, 0.2517

Complementary

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



88.7479, 0.3968, 0.5081



11.0875, 0.1719, 0.0861

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.



88.7479, 0.2936, 0.2065



88.7479, 0.3968, 0.5081



88.7479, 0.1626, 0.1897

Square

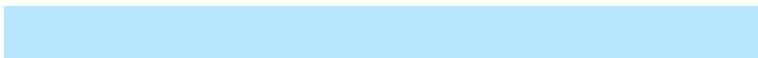
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7479, 0.3968, 0.5081



88.7479, 0.1641, 0.3104



88.7479, 0.2108, 0.1845



88.7479, 0.4849, 0.3124

Rectangle

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



88.7479, 0.3968, 0.5081



88.7479, 0.2448, 0.4616



88.7479, 0.2108, 0.1845



88.7479, 0.3631, 0.2344

Sweetspot

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



88.7444, 0.3968, 0.5081



95.3246, 0.3443, 0.3902



26.5072, 0.5776, 0.3453



20.2771, 0.3489, 0.3995



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.



88.7444, 0.3968, 0.5081



87.7385, 0.3986, 0.5202



76.4432, 0.3308, 0.5564



20.9758, 0.3251, 0.3526



45.7755, 0.3987, 0.5216



4.4864, 0.4012, 0.5196

Inverse Universe

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



11.0875, 0.1719, 0.0861



7.8734, 0.1557, 0.0645



18.9145, 0.2447, 0.1240



17.4802, 0.2997, 0.3045



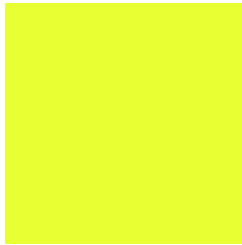
3.9492, 0.1542, 0.0623



0.4158, 0.1615, 0.0663

Previews

White Background



This preview shows how the Yxy color 88.7479, 0.3968, 0.5081 looks on a white background.

Color Contrast Check

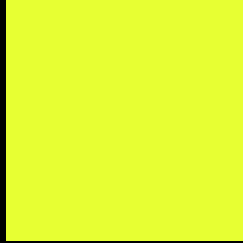
Large Text (above 18pt) WCAG AA × Fail

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 88.7479, 0.3968, 0.5081 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 88.7479, 0.3968, 0.5081

Background



This preview shows how black text looks on a background with the Yxy color 88.7479, 0.3968, 0.5081.

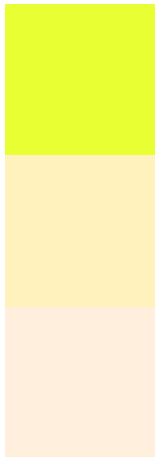


This preview shows how white text looks on a background with the Yxy color 88.7479, 0.3968, 0.5081.

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

88.7479, 0.3968, 0.5081

Protanopia

88.4384, 0.3550, 0.3820

Deuteranopia

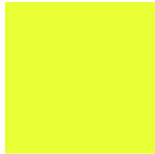
88.1603, 0.3355, 0.3479



Tritanopia

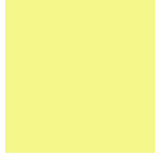
88.5088, 0.3096, 0.3125

Trichromacy



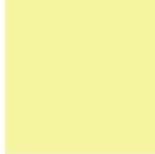
Original Color

88.7479, 0.3968, 0.5081



Protanomaly

87.9784, 0.3772, 0.4370



Deuteranomaly

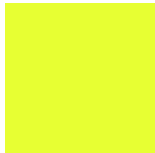
87.4008, 0.3664, 0.4163



Tritanomaly

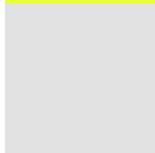
86.9148, 0.3504, 0.3939

Monochromacy



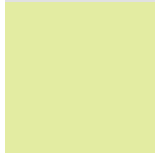
Original Color

88.7479, 0.3968, 0.5081



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.9304, 0.3534, 0.4091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7479, 0.3968, 0.5081 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(231, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 51)  
}
```

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(231, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 88.7479, 0.3968, 0.5081 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(231, 255, 51) }
```

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

```
.border{ border-color:rgb(231, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7479, 0.3968, 0.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 51) }
```

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

```
.background{ background-color: rgb(231,  
255, 51) }
```

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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