

Converting Colors

$Y_{xy}(78.5230, 0.3855, 0.4947)$

Have a look what the booklet for
Yxy(78.5230, 0.3855, 0.4947)
contains.

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Color

Yxy(78.4872, 0.3855, 0.4950)

Conversions

Conversions Part 1

Format	Color
Hex	D7F24D
RGB	215, 242, 77
RGB Percent	84%, 95%, 30%
CMY	0.1567, 0.0510, 0.6980
CMYK	0.11, 0.00, 0.68, 0.05
HSL	70°, 86%, 63%
HSV	70°, 68%, 95%
XYZ	61.1249, 78.4872, 18.9479
YIQ	215.1170, 36.8730, -57.0390

Conversions

Conversions Part 2

Format	Color
RYB	77, 242, 104
Decimal	14152269
CIELab	91.00, -29.63, 72.83
CIELCh	91, 78.624, 112.141
Yxy	78.4872, 0.3855, 0.4950
Android (android.graphics.Color)	4292342349 (0xFFD7F24D)
YUV	215.1170, -68.0917, -0.1026
Hunter-Lab	88.5930, -31.8814, 49.3344

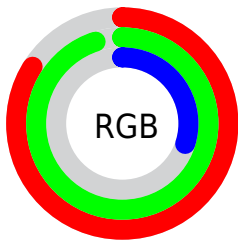
Details

The Yxy color **78.4872, 0.3855, 0.4950** is a light color, and the websafe version is hex **CCFF66**.

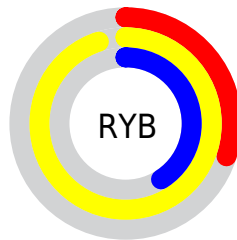
The color can be described as light washed yellow. A complement of this color would be **14.6585, 0.1957, 0.1177**, and the grayscale version is **68.4964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **42.2859, 0.3921, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **77.6187, 0.3897, 0.5103**, and if you desaturate by 10%, it is **79.5044, 0.3787, 0.4755**.

Distribution



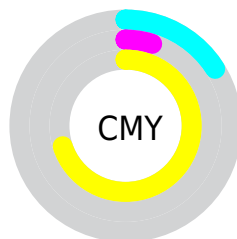
- Red (84%)
- Green (95%)
- Blue (30%)



- Red (30%)
- Yellow (95%)
- Blue (41%)



- Cyan (11%)
- Magenta (0%)
- Yellow (68%)
- Black (5%)





- Cyan (16%)
- Magenta (5%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4872, 0.3855, 0.4950 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 78.4872, 0.3855, 0.4950 by changing the saturation by 10% instead.


 78.4872, 0.3855,
0.4950

 78.4872, 0.3855,
0.4950


489.8198, 0.3586,
0.4198

 58.4743, 0.3893,
0.5107


 131.2367, 0.3780,
0.4699


 42.1901, 0.3927,
0.5289

 164.7421, 0.3745,
0.4598

 29.2501, 0.3949,
0.5500


 203.5137, 0.3713,
0.4510

 19.2701, 0.3943,
0.5741

 247.9360, 0.3683,
0.4432

 11.8656, 0.3926,
0.6074

298.3934, 0.3656,
0.4363

 6.6522, 0.3716,
0.6284


355.2702, 0.3631,


 3.2456, 0.3391,

0.4302


0.6609


418.9509, 0.3608,
0.4247

 1.2613, 0.2561,
0.7439

 0.1109, 0.0000,
1.0000


 78.4872, 0.3855,
0.4950


 78.4872, 0.3855,
0.4950


 77.6187, 0.3897,
0.5103


 79.5044, 0.3787,
0.4755


 76.8732, 0.3913,
0.5210


 80.6722, 0.3698,
0.4527

 76.2332, 0.3905,
0.5274


 82.0056, 0.3592,
0.4276


 76.1228, 0.3903,
0.5283


 83.5145, 0.3474,
0.4014

 85.2083, 0.3351,
0.3750

 87.0954, 0.3227,
0.3492

 89.1838, 0.3105,
0.3246

 90.4356, 0.3079,
0.3163

 91.1607, 0.3105,
0.3164

Harmonies

Analogous

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



78.4872, 0.4570, 0.4487



78.4872, 0.3855, 0.4950



78.4872, 0.2998, 0.4867

Triad

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



78.4872, 0.3855, 0.4950



78.4872, 0.1594, 0.2336



78.4872, 0.3986, 0.2626

Complementary

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



78.4872, 0.3855, 0.4950



14.6585, 0.1957, 0.1177

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.



78.4872, 0.3035, 0.2186



78.4872, 0.3855, 0.4950



78.4872, 0.1765, 0.1993

Square

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



78.4872, 0.3855, 0.4950



78.4872, 0.1736, 0.3058



78.4872, 0.2246, 0.1961



78.4872, 0.4730, 0.3206

Rectangle

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



78.4872, 0.3855, 0.4950



78.4872, 0.2457, 0.4397



78.4872, 0.2246, 0.1961



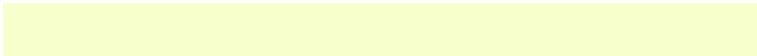
78.4872, 0.3670, 0.2459

Sweetspot

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



78.4908, 0.3855, 0.4950



95.5935, 0.3374, 0.3799



28.8657, 0.5212, 0.3525



20.3437, 0.3409, 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.



78.4908, 0.3855, 0.4950



87.0635, 0.3907, 0.5152



69.1675, 0.3303, 0.5308



18.3207, 0.3243, 0.3525



40.9464, 0.3908, 0.5279



3.4408, 0.3947, 0.5248

Inverse Universe

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



14.6585, 0.1957, 0.1177



10.8743, 0.1735, 0.0845



21.9391, 0.2626, 0.1496



15.3527, 0.3005, 0.3048



3.7199, 0.1571, 0.0639



0.3456, 0.1677, 0.0698

Previews

White Background



This preview shows how the Yxy color 78.4872, 0.3855, 0.4950 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 78.4872, 0.3855, 0.4950 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 78.4872, 0.3855, 0.4950

Background



This preview shows how black text looks on a background with the Yxy color 78.4872, 0.3855, 0.4950.



This preview shows how white text looks on a background with the Yxy color 78.4872, 0.3855, 0.4950.

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

78.4872, 0.3855, 0.4950

Protanopia

78.0032, 0.4188, 0.4600

Deuteranopia

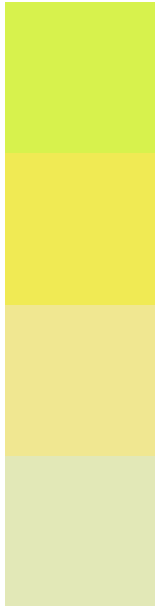
78.0320, 0.3629, 0.3699



Tritanopia

78.0802, 0.3054, 0.3105

Trichromacy



Original Color

78.4872, 0.3855, 0.4950

Protanomaly

78.0110, 0.4061, 0.4731

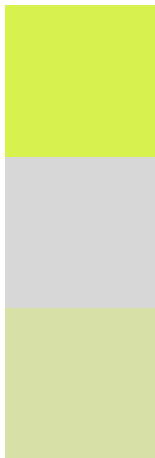
Deuteranomaly

77.7214, 0.3754, 0.4191

Tritanomaly

77.3009, 0.3402, 0.3824

Monochromacy



Original Color

78.4872, 0.3855, 0.4950

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

71.0141, 0.3453, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4872, 0.3855, 0.4950 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(215, 242, 77)` looks like.

```
.text, #text, p{  
    color:rgb(215, 242, 77)  
}
```

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(215, 242, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 242, 77) }
```

Border

The CSS property to change the border of an element to Yxy 78.4872, 0.3855, 0.4950 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(215, 242, 77) }
```

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

```
.border{ border-color:rgb(215, 242, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 242, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 242, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 242, 77);  
box-shadow:4px 4px 4px 4px rgb(215, 242,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4872, 0.3855, 0.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 242, 77) }
```

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

```
.background{ background-color: rgb(215,  
242, 77) }
```

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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