

Converting Colors

$Yxy(78.4586, 0.3866, 0.4804)$

Have a look what the booklet for
Yxy(78.4586, 0.3866, 0.4804)
contains.

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Color

Yxy(78.6051, 0.3863, 0.4807)

Conversions

Conversions Part 1

Format	Color
Hex	DEF05B
RGB	222, 240, 91
RGB Percent	87%, 94%, 36%
CMY	0.1295, 0.0588, 0.6430
CMYK	0.08, 0.00, 0.62, 0.06
HSL	67°, 83%, 65%
HSV	67°, 62%, 94%
XYZ	63.1686, 78.6051, 21.7484
YIQ	217.6320, 37.1010, -50.1550

Conversions

Conversions Part 2

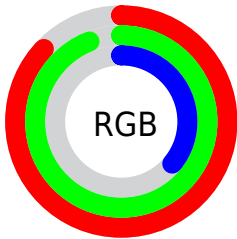
Format	Color
R _Y B	91, 240, 109
Decimal	14610523
CIE Lab	91.06, -25.11, 67.67
CIE LCh	91, 72.175, 110.356
Yxy	78.6051, 0.3863, 0.4807
Android (android.graphics.Color)	4292800603 (0xFFDEF05B)
YUV	217.6320, -62.4296, 3.8307
Hunter-Lab	88.6595, -27.9755, 47.5176

Details

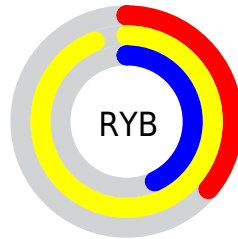
The Yxy color **78.6051, 0.3863, 0.4807** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **17.0368, 0.2027, 0.1339**, and the grayscale version is **70.2654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **42.2622, 0.3959, 0.5121** is the 20% darker color. If you saturate the color by 10%, you get **77.8036, 0.3929, 0.4977**, and if you desaturate by 10%, it is **79.5541, 0.3774, 0.4599**.

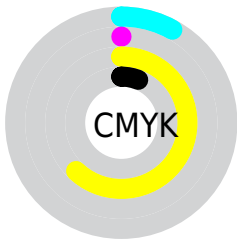
Distribution



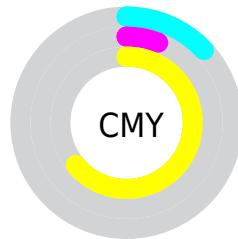
- Red (87%)
- Green (94%)
- Blue (36%)



- Red (36%)
- Yellow (94%)
- Blue (43%)



- Cyan (8%)
- Magenta (0%)
- Yellow (62%)
- Black (6%)





- Cyan (13%)
- Magenta (6%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6051, 0.3863, 0.4807 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 78.6051, 0.3863, 0.4807 by changing the saturation by 10% instead.


 78.6051, 0.3863,
0.4807


 78.6051, 0.3863,
0.4807


490.2194, 0.3578,
0.4119


 58.5712, 0.3909,
0.4952


 131.4028, 0.3779,
0.4577


 42.2680, 0.3955,
0.5122


 164.9353, 0.3741,
0.4484

 29.3112, 0.3995,
0.5321


 203.7362, 0.3707,
0.4403

 19.3164, 0.4017,
0.5551

 248.1898, 0.3677,
0.4332

 11.8991, 0.4032,
0.5860

298.6805, 0.3648,
0.4270

 6.6750, 0.3900,
0.6100

355.5928, 0.3623,

 3.2597, 0.3627,

0.4214

0.6373

419.3109, 0.3599,
0.4164

1.2688, 0.3026,
0.6974

0.1168, 0.0000,
1.0000

78.6051, 0.3863,
0.4807

78.6051, 0.3863,
0.4807

77.8036, 0.3929,
0.4977

79.5541, 0.3774,
0.4599

77.1256, 0.3969,
0.5104


80.6514, 0.3665,
0.4363

76.5589, 0.3982,
0.5185


81.9106, 0.3544,
0.4110


76.1690, 0.3978,
0.5223

83.3412, 0.3415,
0.3849

 84.9516, 0.3283,
0.3591

 86.7498, 0.3154,
0.3340

 88.4800, 0.3052,
0.3142

 88.9991, 0.3071,
0.3143

 89.5265, 0.3089,
0.3144

Harmonies

Analogous

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



78.6051, 0.4505, 0.4386



78.6051, 0.3863, 0.4807



78.6051, 0.3069, 0.4746

Triad

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



78.6051, 0.3863, 0.4807



78.6051, 0.1695, 0.2444



78.6051, 0.3868, 0.2646

Complementary

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



78.6051, 0.3863, 0.4807



17.0368, 0.2027, 0.1339

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.



78.6051, 0.2997, 0.2242



78.6051, 0.3863, 0.4807



78.6051, 0.1839, 0.2095

Square

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



78.6051, 0.3863, 0.4807



78.6051, 0.1853, 0.3138



78.6051, 0.2277, 0.2044



78.6051, 0.4571, 0.3190

Rectangle

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



78.6051, 0.3863, 0.4807



78.6051, 0.2559, 0.4343



78.6051, 0.2277, 0.2044



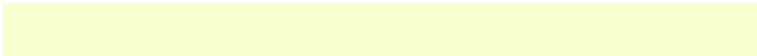
78.6051, 0.3577, 0.2492

Sweetspot

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



78.6087, 0.3863, 0.4807



96.1675, 0.3376, 0.3771



30.0971, 0.4983, 0.3469



20.4747, 0.3413, 0.3846



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.



78.6087, 0.3863, 0.4807



89.0988, 0.3940, 0.5009



69.3923, 0.3340, 0.5117



18.3563, 0.3249, 0.3525



41.7309, 0.3982, 0.5220



3.4987, 0.4011, 0.5197

Inverse Universe

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



17.0368, 0.2027, 0.1339



13.2826, 0.1811, 0.0996



23.8366, 0.2637, 0.1613



15.3204, 0.2998, 0.3047



3.6171, 0.1545, 0.0625



0.3303, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 78.6051, 0.3863, 0.4807 looks on a white background.

Color Contrast Check

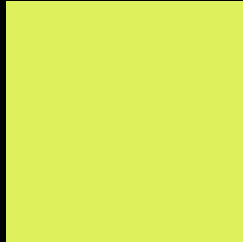
Large Text (above 18pt) WCAG AA × Fail

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 78.6051, 0.3863, 0.4807 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 78.6051, 0.3863, 0.4807

Background



This preview shows how black text looks on a background with the Yxy color 78.6051, 0.3863, 0.4807.



This preview shows how white text looks on a background with the Yxy color 78.6051, 0.3863, 0.4807.

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

78.6051, 0.3863, 0.4807

Protanopia

78.0889, 0.4166, 0.4567

Deuteranopia

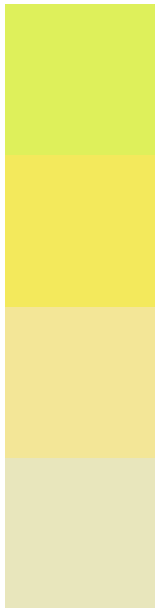
78.0741, 0.3622, 0.3689



Tritanopia

78.4986, 0.3101, 0.3107

Trichromacy



Original Color

78.6051, 0.3863, 0.4807

Protanomaly

78.1052, 0.4056, 0.4656

Deuteranomaly

77.8827, 0.3742, 0.4114

Tritanomaly

77.3803, 0.3416, 0.3741

Monochromacy



Original Color

78.6051, 0.3863, 0.4807

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

72.4313, 0.3434, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6051, 0.3863, 0.4807 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(222, 240, 91)` looks like.

```
.text, #text, p{  
  color:rgb(222, 240, 91)  
}
```

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(222, 240, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 240, 91) }
```

Border

The CSS property to change the border of an element to Yxy 78.6051, 0.3863, 0.4807 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(222, 240, 91) }
```

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

```
.border{ border-color:rgb(222, 240, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 240, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 240, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 240, 91);  
box-shadow:4px 4px 4px 4px rgb(222, 240,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6051, 0.3863, 0.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 240, 91) }
```

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

```
.background{ background-color: rgb(222,  
240, 91) }
```

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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