

Converting Colors

$Y_{xy}(81.1648, 0.4154, 0.4765)$

Have a look what the booklet for
Yxy(81.1648, 0.4154, 0.4765)
contains.

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Color

Yxy(81.3868, 0.4154, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	FAED4A
RGB	250, 237, 74
RGB Percent	98%, 93%, 29%
CMY	0.0197, 0.0705, 0.7099
CMYK	0.00, 0.05, 0.70, 0.02
HSL	56°, 95%, 64%
HSV	56°, 70%, 98%
XYZ	70.9360, 81.3868, 18.4427
YIQ	222.3050, 60.0710, -47.9370

Conversions

Conversions Part 2

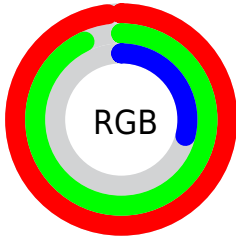
Format	Color
R _Y B	88, 250, 74
Decimal	16444746
CIE Lab	92.30, -13.29, 76.07
CIE LCh	92, 77.224, 99.909
Yxy	81.3868, 0.4154, 0.4766
Android (android.graphics.Color)	4294634826 (0xFFFAED4A)
YUV	222.3050, -73.1144, 24.2885
Hunter-Lab	90.2146, -17.5207, 51.0295

Details

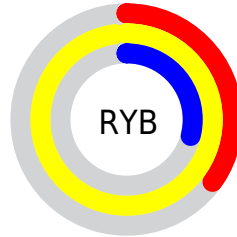
The Yxy color **81.3868, 0.4154, 0.4766** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **15.1589, 0.1795, 0.1159**, and the grayscale version is **73.7669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **43.9949, 0.4278, 0.4985** is the 20% darker color. If you saturate the color by 10%, you get **80.0581, 0.4240, 0.4868**, and if you desaturate by 10%, it is **82.8678, 0.4042, 0.4621**.

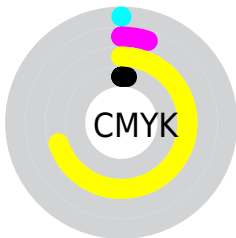
Distribution



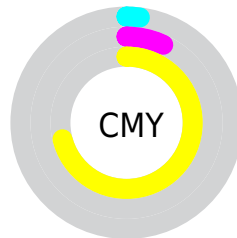
- Red (98%)
- Green (93%)
- Blue (29%)



- Red (35%)
- Yellow (98%)
- Blue (29%)



- Cyan (0%)
- Magenta (5%)
- Yellow (70%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3868, 0.4154, 0.4766 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 81.3868, 0.4154, 0.4766 by changing the saturation by 10% instead.


 81.3868, 0.4154,
0.4766

 81.3868, 0.4154,
0.4766


499.5942, 0.3749,
0.4135


 60.8602, 0.4222,
0.4887


 135.3138, 0.4033,
0.4564


 44.1124, 0.4292,
0.5023

 169.4829, 0.3980,
0.4480

 30.7589, 0.4359,
0.5173


 208.9684, 0.3932,
0.4406

 20.4153, 0.4411,
0.5331

 254.1546, 0.3888,
0.4339

 12.6973, 0.4468,
0.5532

 305.4258, 0.3848,
0.4280

 7.2204, 0.4382,
0.5618

363.1666, 0.3812,

 3.6003, 0.4249,

0.4226

0.5751

427.7613, 0.3779,
0.4178

■ 1.4526, 0.4021,
0.5979

■ 0.2550, 0.0000,
1.0000

■ 81.3868, 0.4154,
0.4766

■ 81.3868, 0.4154,
0.4766

■ 80.0581, 0.4240,
0.4868

■ 82.8678, 0.4042,
0.4621


■ 78.8533, 0.4298,
0.4925

■ 84.5038, 0.3909,
0.4439


■ 77.7914, 0.4331,
0.4943


■ 86.3111, 0.3760,
0.4229


■ 88.3008, 0.3603,
0.4001

 90.4828, 0.3443,
0.3765

 92.8667, 0.3285,
0.3529

 95.4611, 0.3133,
0.3299

 96.9931, 0.3097,
0.3259

 98.1527, 0.3097,
0.3276

Harmonies

Analogous

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



81.3868, 0.4732, 0.4218



81.3868, 0.4154, 0.4766



81.3868, 0.3352, 0.4937

Triad

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



81.3868, 0.4154, 0.4766



81.3868, 0.1648, 0.2605



81.3868, 0.3586, 0.2446

Complementary

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



81.3868, 0.4154, 0.4766



15.1589, 0.1795, 0.1159

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.



81.3868, 0.2694, 0.2094



81.3868, 0.4154, 0.4766



81.3868, 0.1693, 0.2122

Square

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



81.3868, 0.4154, 0.4766



81.3868, 0.1925, 0.3453



81.3868, 0.2040, 0.1973



81.3868, 0.4439, 0.2970

Rectangle

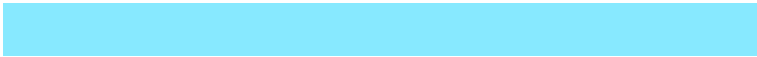
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3868, 0.4154, 0.4766



81.3868, 0.2794, 0.4672



81.3868, 0.2040, 0.1973



81.3868, 0.3274, 0.2306

Sweetspot

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



81.3906, 0.4154, 0.4766



94.5293, 0.3453, 0.3779



25.9272, 0.5346, 0.3175



20.0944, 0.3497, 0.3845



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.



81.3906, 0.4154, 0.4766



83.2892, 0.4264, 0.4894



78.1514, 0.3556, 0.5198



19.9591, 0.3271, 0.3507



41.3671, 0.4328, 0.4945



3.8947, 0.4310, 0.4960

Inverse Universe

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



15.1589, 0.1795, 0.1159



10.5708, 0.1612, 0.0835



18.0249, 0.2238, 0.1269



16.8481, 0.2979, 0.3063



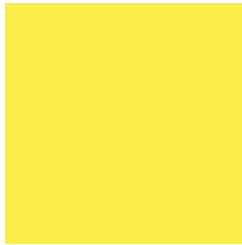
3.9722, 0.1513, 0.0646



0.4369, 0.1542, 0.0751

Previews

White Background



This preview shows how the Yxy color 81.3868, 0.4154, 0.4766 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 81.3868, 0.4154, 0.4766 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 81.3868, 0.4154, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 81.3868, 0.4154, 0.4766.

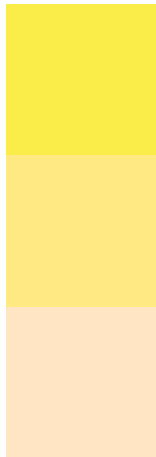


This preview shows how white text looks on a background with the Yxy color 81.3868, 0.4154, 0.4766.

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

81.3868, 0.4154, 0.4766

Protanopia

81.1495, 0.3949, 0.4307

Deuteranopia

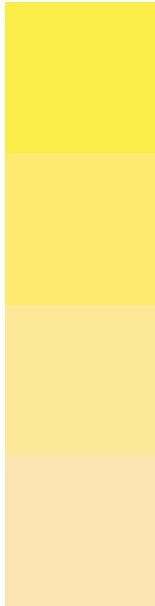
81.2841, 0.3533, 0.3625



Tritanopia

81.2249, 0.3259, 0.3172

Trichromacy



Original Color

81.3868, 0.4154, 0.4766

Protanomaly

80.8541, 0.4039, 0.4489

Deuteranomaly

80.8629, 0.3804, 0.4099

Tritanomaly

80.1356, 0.3642, 0.3811

Monochromacy



Original Color

81.3868, 0.4154, 0.4766

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.9211, 0.3557, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3868, 0.4154, 0.4766 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(250, 237, 74)` looks like.

```
.text, #text, p{  
    color:rgb(250, 237, 74)  
}
```

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(250, 237, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 237, 74) }
```

Border

The CSS property to change the border of an element to Yxy 81.3868, 0.4154, 0.4766 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(250, 237, 74) }
```

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

```
.border{ border-color:rgb(250, 237, 74) }
```

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

Here you see how a box with a 4 pixel rgb(250, 237, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 237, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 237, 74);  
box-shadow:4px 4px 4px 4px rgb(250, 237,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3868, 0.4154, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 237, 74) }
```

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

```
.background{ background-color: rgb(250,  
237, 74) }
```

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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