

Converting Colors

Yxy(81.6608, 0.4012, 0.4872)

Have a look what the booklet for
Yxy(81.6608, 0.4012, 0.4872)
contains.

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Color

Yxy(81.6608, 0.4012, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	EBF24A
RGB	235, 242, 74
RGB Percent	92%, 95%, 29%
CMY	0.0785, 0.0509, 0.7096
CMYK	0.03, 0.00, 0.69, 0.05
HSL	63°, 87%, 62%
HSV	63°, 69%, 95%
XYZ	67.2461, 81.6608, 18.7056
YIQ	220.7550, 49.7560, -53.7320

Conversions

Conversions Part 2

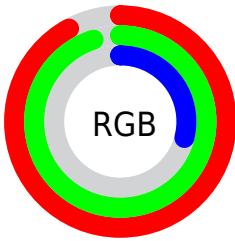
Format	Color
RYB	74, 242, 81
Decimal	15462986
CIELab	92.42, -21.82, 75.76
CIELCh	92, 78.836, 106.065
Yxy	81.6608, 0.4012, 0.4872
Android (android.graphics.Color)	4293653066 (0xFFEBF24A)
YUV	220.7550, -72.3502, 12.4929
Hunter-Lab	90.3664, -25.3104, 50.9836

Details

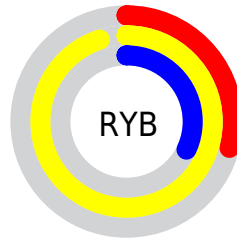
The Yxy color **81.6608, 0.4012, 0.4872** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **13.0698, 0.1818, 0.1086**, and the grayscale version is **72.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **44.3479, 0.4100, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **81.2266, 0.4073, 0.4994**, and if you desaturate by 10%, it is **82.2290, 0.3925, 0.4708**.

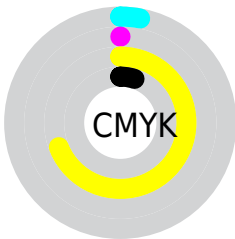
Distribution



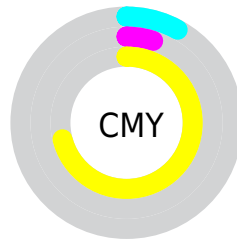
- Red (92%)
- Green (95%)
- Blue (29%)



- Red (29%)
- Yellow (95%)
- Blue (32%)



- Cyan (3%)
- Magenta (0%)
- Yellow (69%)
- Black (5%)





- Cyan (8%)
- Magenta (5%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6608, 0.4012, 0.4872 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 81.6608, 0.4012, 0.4872 by changing the saturation by 10% instead.


 81.6608, 0.4012,
0.4872


 81.6608, 0.4012,
0.4872


500.5124, 0.3675,
0.4178

 61.0860, 0.4064,
0.5010


 135.6982, 0.3914,
0.4646


 44.2946, 0.4116,
0.5168

 169.9296, 0.3870,
0.4553

 30.9021, 0.4159,
0.5346


 209.4820, 0.3830,
0.4472

 20.5243, 0.4182,
0.5541

 254.7397, 0.3793,
0.4399

 12.7768, 0.4200,
0.5800

 306.0873, 0.3760,
0.4335

 7.2750, 0.4056,
0.5944


363.9089, 0.3729,


 3.6347, 0.3835,

0.4277

0.6165


428.5892, 0.3701,
0.4225


 1.4714, 0.3449,
0.6551


 0.2685, 0.0000,
1.0000


 81.6608, 0.4012,
0.4872


 81.6608, 0.4012,
0.4872


 81.2266, 0.4073,
0.4994

 82.2290, 0.3925,
0.4708


 80.8996, 0.4107,
0.5071

 82.9327, 0.3816,
0.4507


 80.6598, 0.4119,
0.5109


 83.7869, 0.3689,
0.4278


 80.6465, 0.4119,
0.5111


 84.8018, 0.3551,
0.4031

 85.9866, 0.3406,
0.3776

 87.3498, 0.3261,
0.3522

 88.8994, 0.3119,
0.3276

 89.8000, 0.3057,
0.3162

 89.9808, 0.3063,
0.3163

Harmonies

Analogous

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



81.6608, 0.4666, 0.4356



81.6608, 0.4012, 0.4872



81.6608, 0.3175, 0.4926

Triad

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



81.6608, 0.4012, 0.4872



81.6608, 0.1609, 0.2459



81.6608, 0.3789, 0.2530

Complementary

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



81.6608, 0.4012, 0.4872



13.0698, 0.1818, 0.1086

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.



81.6608, 0.2857, 0.2131



81.6608, 0.4012, 0.4872



81.6608, 0.1717, 0.2046

Square

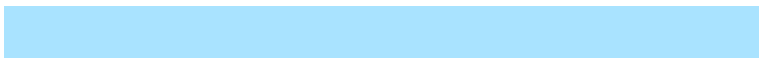
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6608, 0.4012, 0.4872



81.6608, 0.1818, 0.3252



81.6608, 0.2132, 0.1956



81.6608, 0.4601, 0.3084

Rectangle

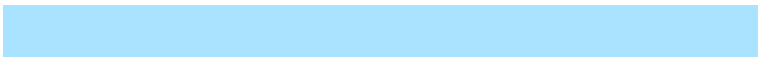
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6608, 0.4012, 0.4872



81.6608, 0.2620, 0.4555



81.6608, 0.2132, 0.1956



81.6608, 0.3471, 0.2375

Sweetspot

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



81.6646, 0.4012, 0.4872



96.5957, 0.3430, 0.3818



25.0613, 0.5431, 0.3344



20.5941, 0.3470, 0.3889



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.



81.6646, 0.4012, 0.4872



91.3156, 0.4089, 0.5028



70.7230, 0.3423, 0.5260



18.4234, 0.3262, 0.3524



43.3354, 0.4121, 0.5110



3.6155, 0.4131, 0.5102

Inverse Universe

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



13.0698, 0.1818, 0.1086



9.7089, 0.1622, 0.0774



19.1701, 0.2429, 0.1381



15.2603, 0.2986, 0.3046



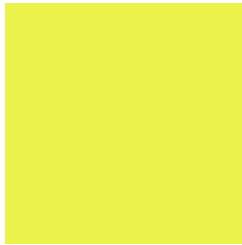
3.4935, 0.1513, 0.0607



0.3017, 0.1547, 0.0626

Previews

White Background



This preview shows how the Yxy color 81.6608, 0.4012, 0.4872 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 81.6608, 0.4012, 0.4872 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 81.6608, 0.4012, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 81.6608, 0.4012, 0.4872.

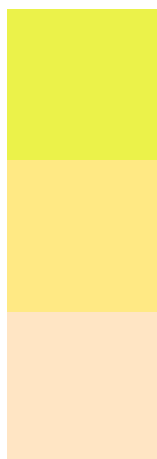


This preview shows how white text looks on a background with the Yxy color 81.6608, 0.4012, 0.4872.

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

81.6608, 0.4012, 0.4872

Protanopia

81.2038, 0.3937, 0.4289

Deuteranopia

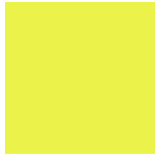
81.2841, 0.3533, 0.3625



Tritanopia

81.2484, 0.3177, 0.3112

Trichromacy



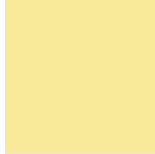
Original Color

81.6608, 0.4012, 0.4872



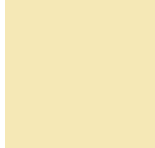
Protanomaly

81.0951, 0.3986, 0.4516



Deuteranomaly

81.0691, 0.3759, 0.4129



Tritanomaly

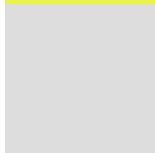
80.5031, 0.3547, 0.3810

Monochromacy



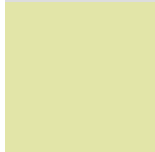
Original Color

81.6608, 0.4012, 0.4872



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.0345, 0.3506, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6608, 0.4012, 0.4872 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(235, 242, 74)` looks like.

```
.text, #text, p{  
    color:rgb(235, 242, 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(235, 242, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 74) }
```

Border

The CSS property to change the border of an element to Yxy 81.6608, 0.4012, 0.4872 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(235, 242, 74) }
```

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

```
.border{ border-color:rgb(235, 242, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 242, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 74);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6608, 0.4012, 0.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 74) }
```

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

```
.background{ background-color: rgb(235,  
242, 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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