

Converting Colors

Yxy(76.8846, 0.4108, 0.4824)

Have a look what the booklet for
Yxy(76.8846, 0.4108, 0.4824)
contains.

Yxy(76.8846, 0.4108, 0.4824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.8846, 0.4108, 0.4824)

Conversions

Conversions Part 1

Format	Color
Hex	EEE945
RGB	238, 233, 69
RGB Percent	93%, 91%, 27%
CMY	0.0667, 0.0862, 0.7293
CMYK	0.00, 0.02, 0.71, 0.07
HSL	58°, 83%, 60%
HSV	58°, 71%, 93%
XYZ	65.4730, 76.8846, 17.0217
YIQ	215.7990, 55.6240, -49.9440

Conversions

Conversions Part 2

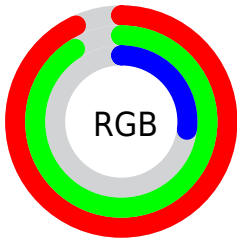
Format	Color
RYB	74, 238, 69
Decimal	15657285
CIELab	90.27, -16.47, 75.48
CIELCh	90, 77.258, 102.310
Yxy	76.8846, 0.4108, 0.4824
Android (android.graphics.Color)	4293847365 (0xFFEEE945)
YUV	215.7990, -72.3719, 19.4703
Hunter-Lab	87.6839, -20.1618, 49.8690

Details

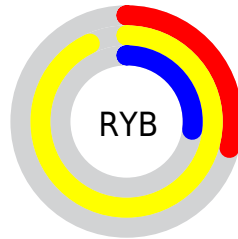
The Yxy color **76.8846, 0.4108, 0.4824** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **12.3378, 0.1770, 0.1074**, and the grayscale version is **69.0024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **41.3058, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **76.2521, 0.4180, 0.4928**, and if you desaturate by 10%, it is **77.6443, 0.4010, 0.4677**.

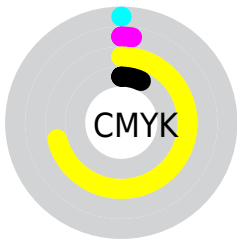
Distribution



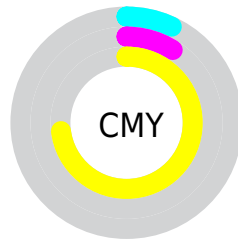
- Red (93%)
- Green (91%)
- Blue (27%)



- Red (29%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (2%)
- Yellow (71%)
- Black (7%)





- Cyan (7%)
- Magenta (9%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8846, 0.4108, 0.4824 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 76.8846, 0.4108, 0.4824 by changing the saturation by 10% instead.


 76.8846, 0.4108,
0.4824


 76.8846, 0.4108,
0.4824


484.3705, 0.3723,
0.4155


 57.1582, 0.4171,
0.4955

 128.9766, 0.3994,
0.4608


 41.1322, 0.4234,
0.5103


 162.1109, 0.3943,
0.4518


 28.4224, 0.4290,
0.5266


 200.4833, 0.3897,
0.4440

 18.6443, 0.4329,
0.5443

 244.4782, 0.3856,
0.4370

 11.4136, 0.4349,
0.5651

 294.4800, 0.3818,
0.4307

 6.3457, 0.4233,
0.5767

350.8730, 0.3783,

 3.0564, 0.4050,

0.4251

0.5950

414.0417, 0.3752,
0.4201

■ 1.1613, 0.3688,
0.6312

■ 0.0297, 0.0000,
1.0000

■ 76.8846, 0.4108,
0.4824

■ 76.8846, 0.4108,
0.4824

■ 76.2521, 0.4180,
0.4928

■ 77.6443, 0.4010,
0.4677


■ 75.7210, 0.4225,
0.4987

■ 78.5331, 0.3889,
0.4493


■ 75.3105, 0.4246,
0.5010


■ 79.5656, 0.3751,
0.4278

■ 80.7516, 0.3602,
0.4044

 82.1003, 0.3447,
0.3799

 83.6198, 0.3292,
0.3554

 85.3179, 0.3142,
0.3314

 86.9141, 0.3025,
0.3127

 87.3257, 0.3025,
0.3134

Harmonies

Analogous

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



76.8846, 0.4724, 0.4278



76.8846, 0.4108, 0.4824



76.8846, 0.3283, 0.4958

Triad

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



76.8846, 0.4108, 0.4824



76.8846, 0.1617, 0.2537



76.8846, 0.3670, 0.2469

Complementary

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



76.8846, 0.4108, 0.4824



12.3378, 0.1770, 0.1074

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.



76.8846, 0.2751, 0.2096



76.8846, 0.4108, 0.4824



76.8846, 0.1687, 0.2079

Square

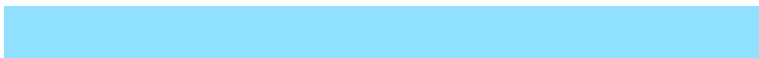
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8846, 0.4108, 0.4824



76.8846, 0.1869, 0.3374



76.8846, 0.2063, 0.1952



76.8846, 0.4520, 0.3010

Rectangle

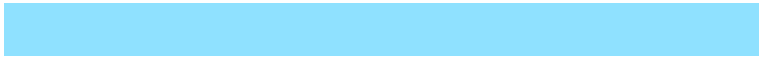
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8846, 0.4108, 0.4824



76.8846, 0.2720, 0.4649



76.8846, 0.2063, 0.1952



76.8846, 0.3352, 0.2323

Sweetspot

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



76.8882, 0.4108, 0.4824



96.0131, 0.3448, 0.3801



22.9386, 0.5476, 0.3250



20.4531, 0.3491, 0.3869



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.



76.8882, 0.4108, 0.4824



88.9040, 0.4202, 0.4959



68.9634, 0.3497, 0.5246



18.3742, 0.3269, 0.3517



42.0519, 0.4245, 0.5011



3.5234, 0.4238, 0.5017

Inverse Universe

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



12.3378, 0.1770, 0.1074



9.4873, 0.1587, 0.0761



16.7158, 0.2306, 0.1296



15.3035, 0.2979, 0.3053



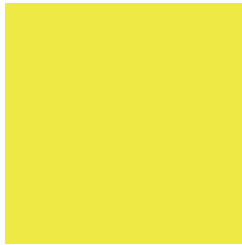
3.5617, 0.1505, 0.0618



0.3225, 0.1519, 0.0667

Previews

White Background



This preview shows how the Yxy color 76.8846, 0.4108, 0.4824 looks on a white background.

Color Contrast Check

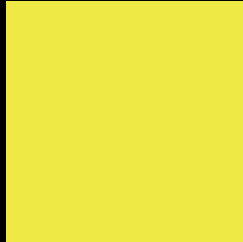
Large Text (above 18pt) WCAG AA × Fail

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 76.8846, 0.4108, 0.4824 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 76.8846, 0.4108, 0.4824

Background



This preview shows how black text looks on a background with the Yxy color 76.8846, 0.4108, 0.4824.



This preview shows how white text looks on a background with the Yxy color 76.8846, 0.4108, 0.4824.

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

76.8846, 0.4108, 0.4824

Protanopia

76.4264, 0.4273, 0.4707

Deuteranopia

76.6769, 0.3684, 0.3751



Tritanopia

76.8364, 0.3257, 0.3120

Trichromacy



Original Color

76.8846, 0.4108, 0.4824

Protanomaly

76.4124, 0.4214, 0.4751

Deuteranomaly

76.3674, 0.3887, 0.4190

Tritanomaly

75.6447, 0.3634, 0.3792

Monochromacy



Original Color

76.8846, 0.4108, 0.4824

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.7342, 0.3543, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8846, 0.4108, 0.4824 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(238, 233, 69)` looks like.

```
.text, #text, p{  
    color:rgb(238, 233, 69)  
}
```

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(238, 233, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 233, 69) }
```

Border

The CSS property to change the border of an element to Yxy 76.8846, 0.4108, 0.4824 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(238, 233, 69) }
```

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

```
.border{ border-color:rgb(238, 233, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 233, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 233, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 233, 69);  
box-shadow:4px 4px 4px 4px rgb(238, 233,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8846, 0.4108, 0.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 233, 69) }
```

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

```
.background{ background-color: rgb(238,  
233, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor