

Converting Colors

Yxy(67.8426, 0.3837, 0.4158)

Have a look what the booklet for
Yxy(67.8426, 0.3837, 0.4158)
contains.

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Color

Yxy(67.8426, 0.3837, 0.4158)

Conversions

Conversions Part 1	
Format	Color
Hex	EAD787
RGB	234, 215, 135
RGB Percent	92%, 84%, 53%
CMY	0.0823, 0.1568, 0.4706
CMYK	0.00, 0.08, 0.42, 0.08
HSL	48°, 70%, 72%
HSV	48°, 42%, 92%
XYZ	62.6051, 67.8426, 32.7139
YIQ	211.5610, 37.0040, -20.8520

Conversions

Conversions Part 2

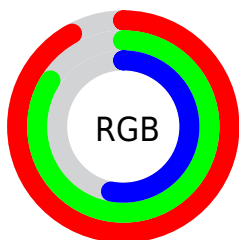
Format	Color
RYB	159, 234, 135
Decimal	15390599
CIELab	85.93, -4.31, 41.78
CIELCh	86, 42.005, 95.883
Yxy	67.8426, 0.3837, 0.4158
Android (android.graphics.Color)	4293580679 (0xFFEAD787)
YUV	211.5610, -37.7446, 19.6790
Hunter-Lab	82.3666, -8.4675, 34.1082

Details

The Yxy color $67.8426, 0.3837, 0.4158$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $34.1985, 0.2377, 0.2233$, and the grayscale version is $65.7699, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.4541, 0.3520, 0.3939$, and $35.1288, 0.3993, 0.4342$ is the 20% darker color. If you saturate the color by 10%, you get $65.0022, 0.4011, 0.4345$, and if you desaturate by 10%, it is $70.8968, 0.3660, 0.3955$.

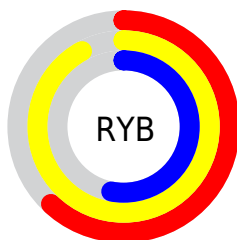
Distribution



Red (92%)

Green (84%)

Blue (53%)



Red (62%)

Yellow (92%)

Blue (53%)

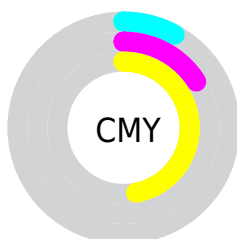


Cyan (0%)

Magenta (8%)

Yellow (42%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8426, 0.3837, 0.4158 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 67.8426, 0.3837, 0.4158 by changing the saturation by 10% instead.


 67.8426, 0.3837,
0.4158

 67.8426, 0.3837,
0.4158


452.9381, 0.3515,
0.3757


 49.7697, 0.3907,
0.4247


 116.1269, 0.3728,
0.4020

 35.2304, 0.3989,
0.4355


 147.1072, 0.3685,
0.3966

 23.8404, 0.4089,
0.4487


 183.1586, 0.3647,
0.3919

 15.2153, 0.4209,
0.4650

224.6657, 0.3614,
0.3878

 8.9706, 0.4349,
0.4850

272.0128, 0.3585,
0.3843

 4.7220, 0.4587,
0.5188


325.5843, 0.3559,

 2.0851, 0.4635,


0.3811


0.5365

385.7646, 0.3536,
0.3782


 0.6562, 0.4414,
0.5586


 0.0000, 0.0000,
0.0000


 67.8426, 0.3837,
0.4158


 67.8426, 0.3837,
0.4158

 65.0022, 0.4011,
0.4345


 70.8968, 0.3660,
0.3955

 62.3562, 0.4175,
0.4505


 74.1647, 0.3485,
0.3746


 59.8965, 0.4320,
0.4630


 77.6579, 0.3318,
0.3537


 57.6101, 0.4441,
0.4710

 81.3844, 0.3162,
0.3335

 55.4816, 0.4532,
0.4743


 85.3516, 0.3017,
0.3144

 53.9339, 0.4585,
0.4742

 88.1826, 0.2999,
0.3159

 90.8871, 0.2999,
0.3204

 93.6577, 0.2999,
0.3249

 96.2326, 0.2999,
0.3290

Harmonies

Analogous

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



67.8426, 0.4122, 0.3866



67.8426, 0.3837, 0.4158



67.8426, 0.3373, 0.4219

Triad

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



67.8426, 0.3837, 0.4158



67.8426, 0.2221, 0.2976



67.8426, 0.3336, 0.2731

Complementary

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



67.8426, 0.3837, 0.4158



34.1985, 0.2377, 0.2233

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.



67.8426, 0.2819, 0.2518



67.8426, 0.3837, 0.4158



67.8426, 0.2213, 0.2624

Square

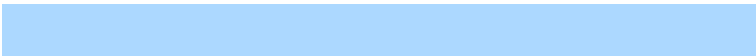
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8426, 0.3837, 0.4158



67.8426, 0.2450, 0.3478



67.8426, 0.2420, 0.2473



67.8426, 0.3830, 0.3068

Rectangle

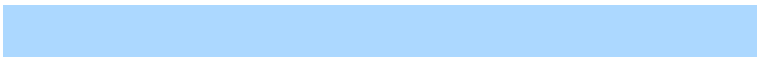
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8426, 0.3837, 0.4158



67.8426, 0.3030, 0.4083



67.8426, 0.2420, 0.2473



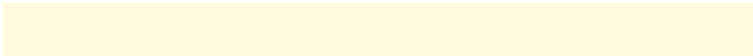
67.8426, 0.3158, 0.2644

Sweetspot

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



67.8457, 0.3837, 0.4158



94.0550, 0.3330, 0.3553



37.1786, 0.4001, 0.3067



19.9260, 0.3367, 0.3599



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.



67.8457, 0.3837, 0.4158



79.3606, 0.3993, 0.4326



73.4749, 0.3535, 0.4419



17.1072, 0.3273, 0.3479



30.4849, 0.4578, 0.4747



2.5198, 0.4515, 0.4797

Inverse Universe

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



34.1985, 0.2377, 0.2233



33.3571, 0.2202, 0.1964



31.2337, 0.2563, 0.2055



15.0166, 0.2980, 0.3094



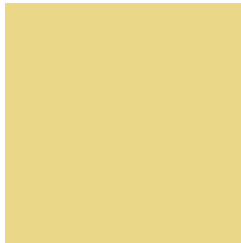
4.5248, 0.1552, 0.0785



0.4852, 0.1618, 0.1024

Previews

White Background



This preview shows how the Yxy color 67.8426, 0.3837, 0.4158 looks on a white background.

Color Contrast Check

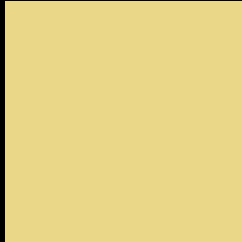
Large Text (above 18pt) WCAG AA × Fail

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 67.8426, 0.3837, 0.4158 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 67.8426, 0.3837, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 67.8426, 0.3837, 0.4158.



This preview shows how white text looks on a background with the Yxy color 67.8426, 0.3837, 0.4158.

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

67.8426, 0.3837, 0.4158

Protanopia

67.8426, 0.3837, 0.4158

Deuteranopia

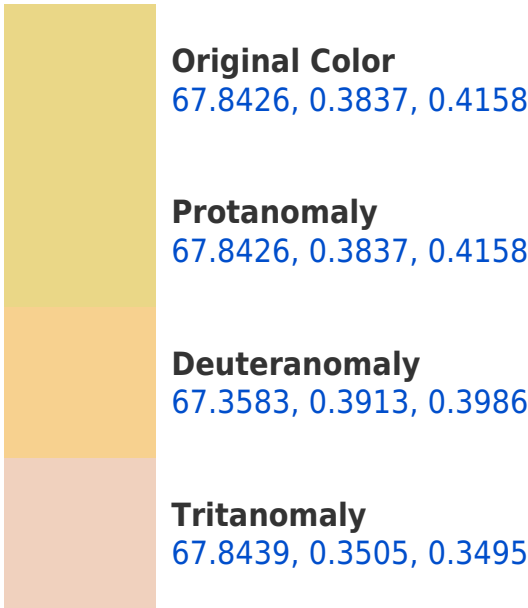
67.5092, 0.3962, 0.3900



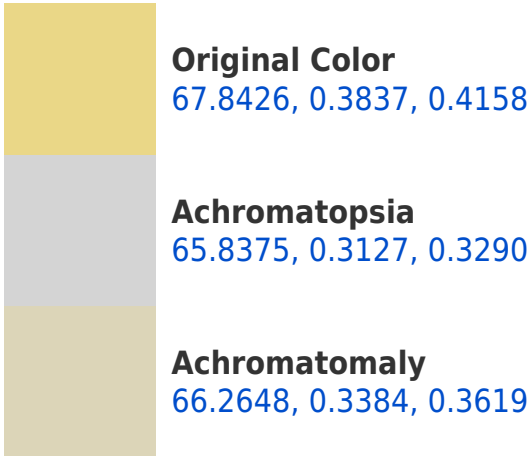
Tritanopia

67.9378, 0.3303, 0.3123

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8426, 0.3837, 0.4158 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(234, 215, 135) looks like.

```
.text, #text, p{  
    color:rgb(234, 215, 135)  
}
```

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(234, 215, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 215, 135) }
```

Border

The CSS property to change the border of an element to Yxy 67.8426, 0.3837, 0.4158 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(234, 215, 135) }
```

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

```
.border{ border-color:rgb(234, 215, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 215, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 215, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 215, 135);  
box-shadow:4px 4px 4px 4px rgb(234, 215,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8426, 0.3837, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 215, 135) }
```

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

```
.background{ background-color: rgb(234,  
215, 135) }
```

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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