

Converting Colors

$Yxy(76.0922, 0.3817, 0.4349)$

Have a look what the booklet for
Yxy(76.0922, 0.3817, 0.4349)
contains.

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Color

Yxy(75.8408, 0.3817, 0.4352)

Conversions

Conversions Part 1

Format	Color
Hex	EBE681
RGB	235, 230, 129
RGB Percent	92%, 90%, 51%
CMY	0.0785, 0.0980, 0.4940
CMYK	0.00, 0.02, 0.45, 0.08
HSL	57°, 73%, 71%
HSV	57°, 45%, 92%
XYZ	66.5175, 75.8408, 31.9082
YIQ	219.9810, 35.4010, -30.3510

Conversions

Conversions Part 2

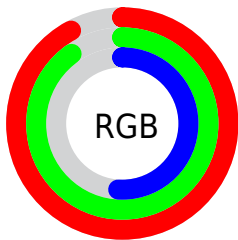
Format	Color
RYB	134, 235, 129
Decimal	15459969
CIELab	89.79, -12.05, 49.54
CIELCh	90, 50.989, 103.674
Yxy	75.8408, 0.3817, 0.4352
Android (android.graphics.Color)	4293650049 (0xFFEBE681)
YUV	219.9810, -44.8536, 13.1717
Hunter-Lab	87.0866, -16.0617, 39.2370

Details

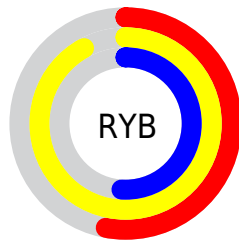
The Yxy color **75.8408, 0.3817, 0.4352** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.7152, 0.2286, 0.1945**, and the grayscale version is **71.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **40.5429, 0.3939, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **74.6773, 0.3953, 0.4553**, and if you desaturate by 10%, it is **77.1588, 0.3668, 0.4127**.

Distribution



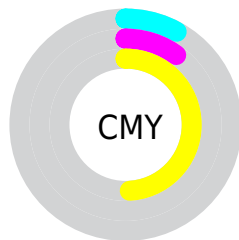
- Red (92%)
- Green (90%)
- Blue (51%)



- Red (53%)
- Yellow (92%)
- Blue (51%)



- Cyan (0%)
- Magenta (2%)
- Yellow (45%)
- Black (8%)





- Cyan (8%)
- Magenta (10%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8408, 0.3817, 0.4352 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 75.8408, 0.3817, 0.4352 by changing the saturation by 10% instead.


 75.8408, 0.3817,
0.4352


 75.8408, 0.3817,
0.4352

480.8026, 0.3519,
0.3866

 56.3020, 0.3877,
0.4458

 127.5018, 0.3720,
0.4187

 40.4451, 0.3946,
0.4586


 160.3929, 0.3680,
0.4121

 27.8857, 0.4025,
0.4740

 198.5034, 0.3645,
0.4064

 18.2395, 0.4112,
0.4929

242.2178, 0.3614,
0.4015

 11.1221, 0.4202,
0.5158

291.9206, 0.3586,
0.3971

 6.1490, 0.4353,
0.5533

347.9960, 0.3562,

 2.9359, 0.4268,

0.3932

410.8285, 0.3539,
0.3897

0.5732

■ 1.0984, 0.4010,
0.5990

■ 0.0000, 0.0000,
0.0000

■ 75.8408, 0.3817,
0.4352

■ 75.8408, 0.3817,
0.4352

■ 74.6773, 0.3953,
0.4553

■ 77.1588, 0.3668,
0.4127

■ 73.6479, 0.4069,
0.4722

■ 78.6300, 0.3513,
0.3889


■ 72.7448, 0.4162,
0.4850

■ 80.2661, 0.3356,
0.3647


■ 71.9549, 0.4227,
0.4934


■ 82.0748, 0.3203,
0.3408


 71.2621, 0.4266,
0.4975


 84.0634, 0.3056,
0.3179

 70.9454, 0.4279,
0.4985

 85.2335, 0.3006,
0.3106

 85.8730, 0.3006,
0.3117

 86.5165, 0.3006,
0.3128

 87.1639, 0.3006,
0.3139

Harmonies

Analogous

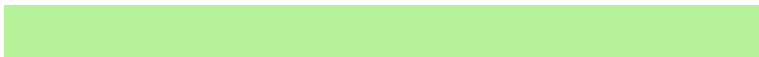
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8408, 0.4223, 0.4049



75.8408, 0.3817, 0.4352



75.8408, 0.3248, 0.4348

Triad

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



75.8408, 0.3817, 0.4352



75.8408, 0.2057, 0.2788



75.8408, 0.3529, 0.2735

Complementary

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



75.8408, 0.3817, 0.4352



27.7152, 0.2286, 0.1945

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.



75.8408, 0.2912, 0.2451



75.8408, 0.3817, 0.4352



75.8408, 0.2114, 0.2448

Square

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



75.8408, 0.3817, 0.4352



75.8408, 0.2249, 0.3342



75.8408, 0.2409, 0.2344



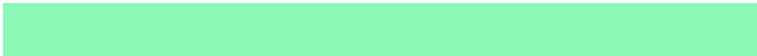
75.8408, 0.4070, 0.3143

Rectangle

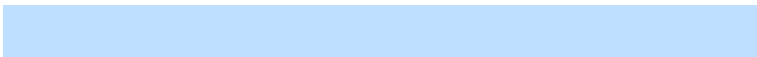
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8408, 0.3817, 0.4352



75.8408, 0.2856, 0.4125



75.8408, 0.2409, 0.2344



75.8408, 0.3321, 0.2623

Sweetspot

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



75.8443, 0.3817, 0.4352



96.8455, 0.3340, 0.3622



35.0959, 0.4279, 0.3234



20.6329, 0.3374, 0.3675



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.



75.8443, 0.3817, 0.4352



90.0157, 0.3942, 0.4537



71.5963, 0.3442, 0.4544



17.4986, 0.3269, 0.3512



39.5446, 0.4277, 0.4986



3.1427, 0.4265, 0.4996

Inverse Universe

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



27.7152, 0.2286, 0.1945



25.3792, 0.2093, 0.1629



31.0159, 0.2651, 0.2010



14.6623, 0.2980, 0.3058



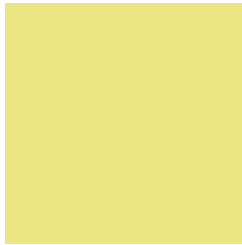
3.5228, 0.1508, 0.0630



0.3167, 0.1531, 0.0710

Previews

White Background



This preview shows how the Yxy color 75.8408, 0.3817, 0.4352 looks on a white background.

Color Contrast Check

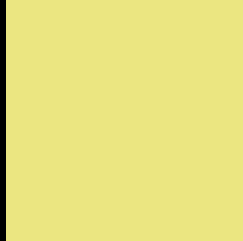
Large Text (above 18pt) WCAG AA × Fail

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 75.8408, 0.3817, 0.4352 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 75.8408, 0.3817, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 75.8408, 0.3817, 0.4352.



This preview shows how white text looks on a background with the Yxy color 75.8408, 0.3817, 0.4352.

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

75.8408, 0.3817, 0.4352

Protanopia

75.9077, 0.3941, 0.4286

Deuteranopia

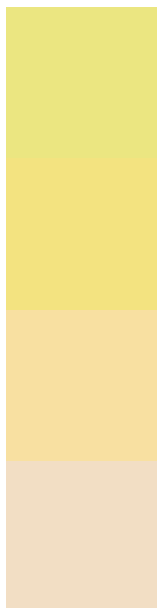
75.7011, 0.3675, 0.3711



Tritanopia

75.7338, 0.3214, 0.3118

Trichromacy



Original Color

75.8408, 0.3817, 0.4352

Protanomaly

75.5514, 0.3898, 0.4310

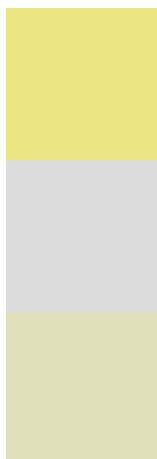
Deuteranomaly

75.8410, 0.3735, 0.3946

Tritanomaly

75.1053, 0.3451, 0.3565

Monochromacy



Original Color

75.8408, 0.3817, 0.4352

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.9067, 0.3382, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8408, 0.3817, 0.4352 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, 230, 129)` looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 129)  
}
```

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, 230, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 129) }
```

Border

The CSS property to change the border of an element to Yxy 75.8408, 0.3817, 0.4352 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, 230, 129) }
```

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

```
.border{ border-color:rgb(235, 230, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 129);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8408, 0.3817, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 129) }
```

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

```
.background{ background-color: rgb(235,  
230, 129) }
```

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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