

Converting Colors

$Y_{xy}(71.5225, 0.3970, 0.4368)$

Have a look what the booklet for
Yxy(71.5225, 0.3970, 0.4368)
contains.

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Color

Yxy(71.5225, 0.3970, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	F0DD75
RGB	240, 221, 117
RGB Percent	94%, 87%, 46%
CMY	0.0588, 0.1333, 0.5411
CMYK	0.00, 0.08, 0.51, 0.06
HSL	51°, 80%, 70%
HSV	51°, 51%, 94%
XYZ	65.0056, 71.5225, 27.2139
YIQ	214.8250, 44.7080, -28.3160

Conversions

Conversions Part 2

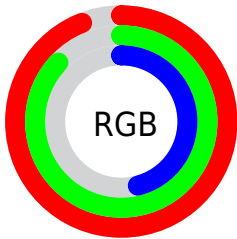
Format	Color
RYB	139, 240, 117
Decimal	15785333
CIELab	87.74, -6.62, 52.88
CIELCh	88, 53.290, 97.135
Yxy	71.5225, 0.3970, 0.4368
Android (android.graphics.Color)	4293975413 (0xFFFF0DD75)
YUV	214.8250, -48.2277, 22.0785
Hunter-Lab	84.5710, -10.7950, 40.1209

Details

The Yxy color **71.5225, 0.3970, 0.4368** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.6907, 0.2188, 0.1901**, and the grayscale version is **68.1440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **37.5992, 0.4134, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **69.0946, 0.4124, 0.4537**, and if you desaturate by 10%, it is **74.1451, 0.3804, 0.4173**.

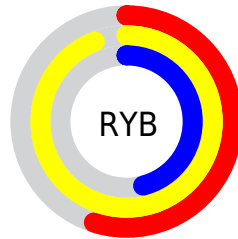
Distribution



Red (94%)

Green (87%)

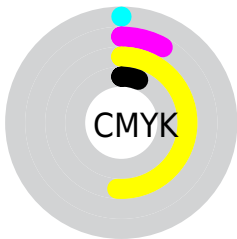
Blue (46%)



Red (55%)

Yellow (94%)

Blue (46%)

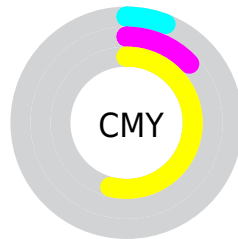


Cyan (0%)

Magenta (8%)

Yellow (51%)

Black (6%)



Cyan (6%)


Magenta (13%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5225, 0.3970, 0.4368 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 71.5225, 0.3970, 0.4368 by changing the saturation by 10% instead.


 71.5225, 0.3970,
0.4368

 71.5225, 0.3970,
0.4368


465.8779, 0.3601,
0.3880


 52.7687, 0.4045,
0.4472


 121.3774, 0.3849,
0.4204

 37.6182, 0.4132,
0.4595


 153.2473, 0.3799,
0.4138

 25.6865, 0.4230,
0.4741


 190.2580, 0.3756,
0.4081

 16.5892, 0.4340,
0.4913

232.7940, 0.3718,
0.4031

 9.9421, 0.4452,
0.5110

281.2396, 0.3684,
0.3987

 5.3606, 0.4606,
0.5394

335.9791, 0.3653,

 2.4603, 0.4525,

0.3947

0.5475

397.3971, 0.3626,
0.3912

■ 0.8567, 0.4324,
0.5676

■ 0.0000, 0.0000,
0.0000

■ 71.5225, 0.3970,
0.4368

■ 71.5225, 0.3970,
0.4368

■ 69.0946, 0.4124,
0.4537

■ 74.1451, 0.3804,
0.4173

■ 66.8398, 0.4259,
0.4670


■ 76.9626, 0.3633,
0.3961

■ 64.7482, 0.4369,
0.4760


■ 79.9880, 0.3464,
0.3743

■ 62.8039, 0.4450,
0.4803

■ 83.2300, 0.3300,
0.3526


 61.2003, 0.4500,
0.4809

 86.6966, 0.3146,
0.3315

 90.0015, 0.3037,
0.3174

 92.2471, 0.3036,
0.3211

 94.5378, 0.3036,
0.3247

 96.8739, 0.3036,
0.3284

Harmonies

Analogous

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



71.5225, 0.4347, 0.3993



71.5225, 0.3970, 0.4368



71.5225, 0.3388, 0.4460

Triad

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



71.5225, 0.3970, 0.4368



71.5225, 0.2017, 0.2863



71.5225, 0.3409, 0.2624

Complementary

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



71.5225, 0.3970, 0.4368



27.6907, 0.2188, 0.1901

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.



71.5225, 0.2765, 0.2362



71.5225, 0.3970, 0.4368



71.5225, 0.2021, 0.2452

Square

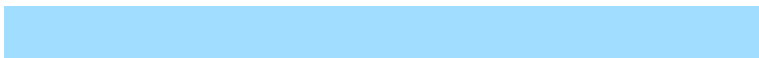
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5225, 0.3970, 0.4368



71.5225, 0.2274, 0.3489



71.5225, 0.2277, 0.2293



71.5225, 0.4026, 0.3029

Rectangle

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



71.5225, 0.3970, 0.4368



71.5225, 0.2967, 0.4284



71.5225, 0.2277, 0.2293



71.5225, 0.3186, 0.2517

Sweetspot

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



71.5258, 0.3970, 0.4368



94.0632, 0.3361, 0.3608



33.0750, 0.4350, 0.3071



19.9648, 0.3396, 0.3654



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.



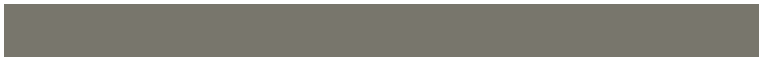
71.5258, 0.3970, 0.4368



79.3001, 0.4123, 0.4537



75.7539, 0.3574, 0.4674



18.0186, 0.3272, 0.3488



33.6595, 0.4495, 0.4813



2.9113, 0.4448, 0.4850

Inverse Universe

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



27.6907, 0.2188, 0.1901



24.1854, 0.1996, 0.1589



26.2897, 0.2444, 0.1775



15.6230, 0.2980, 0.3084



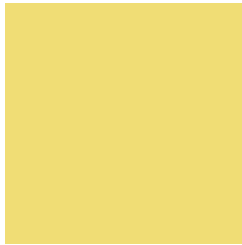
4.2922, 0.1536, 0.0730



0.4747, 0.1593, 0.0933

Previews

White Background



This preview shows how the Yxy color 71.5225, 0.3970, 0.4368 looks on a white background.

Color Contrast Check

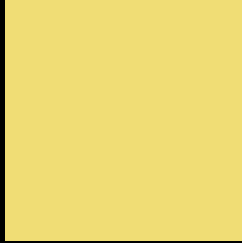
Large Text (above 18pt) WCAG AA × Fail

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 71.5225, 0.3970, 0.4368 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 71.5225, 0.3970, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 71.5225, 0.3970, 0.4368.



This preview shows how white text looks on a background with the Yxy color 71.5225, 0.3970, 0.4368.

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

71.5225, 0.3970, 0.4368

Protanopia

71.3480, 0.3991, 0.4353

Deuteranopia

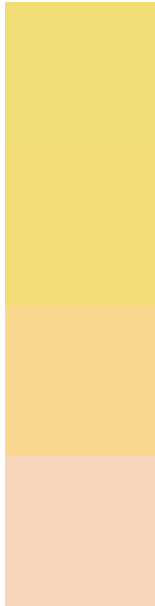
71.3517, 0.3844, 0.3847



Tritanopia

71.5464, 0.3330, 0.3128

Trichromacy



Original Color

71.5225, 0.3970, 0.4368

Protanomaly

71.1715, 0.3983, 0.4356

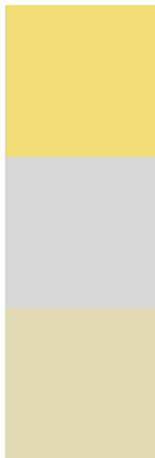
Deuteranomaly

71.4493, 0.3899, 0.4037

Tritanomaly

70.9078, 0.3581, 0.3575

Monochromacy



Original Color

71.5225, 0.3970, 0.4368

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.7277, 0.3443, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5225, 0.3970, 0.4368 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(240, 221, 117)` looks like.

```
.text, #text, p{  
  color:rgb(240, 221, 117)  
}
```

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(240, 221, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 221, 117) }
```

Border

The CSS property to change the border of an element to Yxy 71.5225, 0.3970, 0.4368 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(240, 221, 117) }
```

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

```
.border{ border-color:rgb(240, 221, 117) }
```

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

Here you see how a box with a 4 pixel rgb(240, 221, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 221, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 221, 117);  
box-shadow:4px 4px 4px 4px rgb(240, 221,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5225, 0.3970, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 221, 117) }
```

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

```
.background{ background-color: rgb(240,  
221, 117) }
```

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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