

Converting Colors

$Yxy(75.6251, 0.3878, 0.4569)$

Have a look what the booklet for
Yxy(75.6251, 0.3878, 0.4569)
contains.

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Color

Yxy(75.6403, 0.3880, 0.4568)

Conversions

Conversions Part 1

Format	Color
Hex	E6E86D
RGB	230, 232, 109
RGB Percent	90%, 91%, 43%
CMY	0.0981, 0.0902, 0.5723
CMYK	0.01, 0.00, 0.53, 0.09
HSL	61°, 73%, 67%
HSV	61°, 53%, 91%
XYZ	64.2479, 75.6403, 25.6992
YIQ	217.3800, 38.2910, -38.6770

Conversions

Conversions Part 2

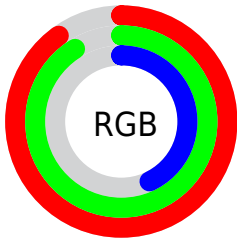
Format	Color
RYB	109, 232, 111
Decimal	15132781
CIELab	89.69, -16.76, 58.63
CIELCh	90, 60.977, 105.953
Yxy	75.6403, 0.3880, 0.4568
Android (android.graphics.Color)	4293322861 (0xFFE6E86D)
YUV	217.3800, -53.4313, 11.0677
Hunter-Lab	86.9714, -20.3378, 43.3604

Details

The Yxy color **75.6403, 0.3880, 0.4568** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.1636, 0.2118, 0.1605**, and the grayscale version is **70.0208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **40.4908, 0.3999, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **75.1446, 0.3986, 0.4752**, and if you desaturate by 10%, it is **76.2749, 0.3754, 0.4352**.

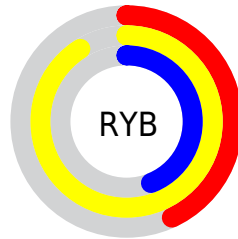
Distribution



Red (90%)

Green (91%)

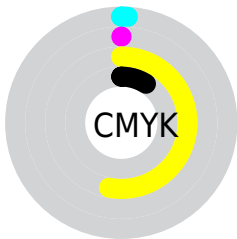
Blue (43%)



Red (43%)

Yellow (91%)

Blue (44%)

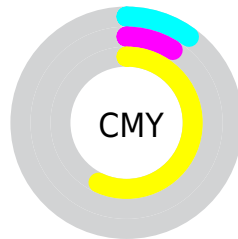


Cyan (1%)

Magenta (0%)

Yellow (53%)

Black (9%)



Cyan (10%)


Magenta (9%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6403, 0.3880, 0.4568 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 75.6403, 0.3880, 0.4568 by changing the saturation by 10% instead.


 75.6403, 0.3880,
0.4568


 75.6403, 0.3880,
0.4568


480.1155, 0.3567,
0.3986


 56.1376, 0.3938,
0.4693


 127.2183, 0.3781,
0.4371


 40.3133, 0.4003,
0.4841


 160.0624, 0.3740,
0.4293

 27.7829, 0.4071,
0.5017


 198.1225, 0.3703,
0.4225

 18.1621, 0.4136,
0.5225

 241.7829, 0.3670,
0.4165

 11.0664, 0.4187,
0.5474

291.4280, 0.3640,
0.4112

 6.1115, 0.4213,
0.5787

347.4422, 0.3613,

 2.9130, 0.4021,

0.4065

0.5979

410.2099, 0.3589,
0.4023

■ 1.0865, 0.3598,
0.6402

■ 0.0000, 0.0000,
0.0000

■ 75.6403, 0.3880,
0.4568

■ 75.6403, 0.3880,
0.4568

■ 75.1446, 0.3986,
0.4752

■ 76.2749, 0.3754,
0.4352

■ 74.7669, 0.4069,
0.4896


■ 77.0476, 0.3615,
0.4115


■ 74.4983, 0.4125,
0.4997


■ 77.9703, 0.3467,
0.3864


■ 74.3240, 0.4155,
0.5055


■ 79.0509, 0.3318,
0.3611

 74.2419, 0.4164,
0.5076

 80.2969, 0.3170,
0.3363

 81.7152, 0.3029,
0.3124

 82.2053, 0.2991,
0.3058

 82.2698, 0.2993,
0.3058

 82.3343, 0.2996,
0.3058

Harmonies

Analogous

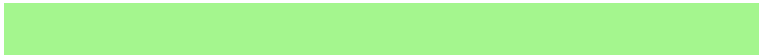
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6403, 0.4393, 0.4199



75.6403, 0.3880, 0.4568



75.6403, 0.3199, 0.4559

Triad

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



75.6403, 0.3880, 0.4568



75.6403, 0.1872, 0.2640



75.6403, 0.3658, 0.2669

Complementary

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



75.6403, 0.3880, 0.4568



20.1636, 0.2118, 0.1605

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.



75.6403, 0.2918, 0.2330



75.6403, 0.3880, 0.4568



75.6403, 0.1960, 0.2277

Square

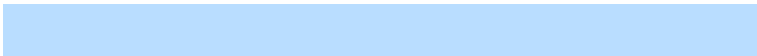
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6403, 0.3880, 0.4568



75.6403, 0.2064, 0.3283



75.6403, 0.2316, 0.2187



75.6403, 0.4295, 0.3143

Rectangle

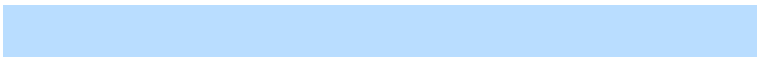
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6403, 0.3880, 0.4568



75.6403, 0.2742, 0.4266



75.6403, 0.2316, 0.2187



75.6403, 0.3409, 0.2537

Sweetspot

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



75.6438, 0.3880, 0.4568



97.5177, 0.3364, 0.3689



29.2141, 0.4683, 0.3295



20.8127, 0.3395, 0.3742



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.



75.6438, 0.3880, 0.4568



93.0417, 0.3999, 0.4774



67.4302, 0.3434, 0.4792



16.8044, 0.3265, 0.3522



41.2182, 0.4165, 0.5075



3.0498, 0.4169, 0.5072

Inverse Universe

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



20.1636, 0.2118, 0.1605



17.2456, 0.1891, 0.1229



25.3839, 0.2597, 0.1795



13.8985, 0.2983, 0.3047



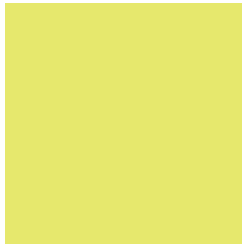
3.2535, 0.1505, 0.0603



0.2445, 0.1520, 0.0611

Previews

White Background



This preview shows how the Yxy color 75.6403, 0.3880, 0.4568 looks on a white background.

Color Contrast Check

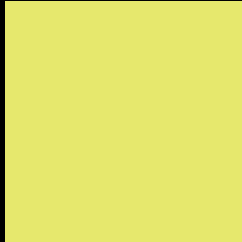
Large Text (above 18pt) WCAG AA × Fail

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 75.6403, 0.3880, 0.4568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

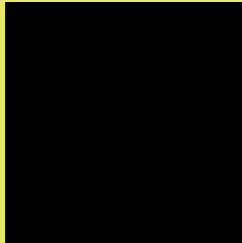
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6403, 0.3880, 0.4568

Background



This preview shows how black text looks on a background with the Yxy color 75.6403, 0.3880, 0.4568.



This preview shows how white text looks on a background with the Yxy color 75.6403, 0.3880, 0.4568.

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

75.6403, 0.3880, 0.4568

Protanopia

75.7782, 0.4076, 0.4459

Deuteranopia

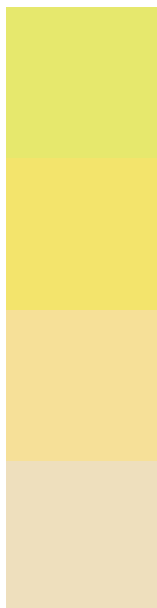
75.5810, 0.3697, 0.3742



Tritanopia

75.1957, 0.3193, 0.3117

Trichromacy



Original Color

75.6403, 0.3880, 0.4568

Protanomaly

75.6242, 0.4006, 0.4494

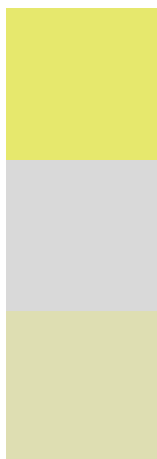
Deuteranomaly

75.1711, 0.3781, 0.4041

Tritanomaly

74.6266, 0.3468, 0.3653

Monochromacy



Original Color

75.6403, 0.3880, 0.4568

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.9865, 0.3425, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6403, 0.3880, 0.4568 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(230, 232, 109)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 109)  
}
```

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(230, 232, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 109) }
```

Border

The CSS property to change the border of an element to Yxy 75.6403, 0.3880, 0.4568 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(230, 232, 109) }
```

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

```
.border{ border-color:rgb(230, 232, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 232, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 109);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6403, 0.3880, 0.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 109) }
```

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

```
.background{ background-color: rgb(230,  
232, 109) }
```

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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