

Converting Colors

$Y_{xy}(75.8999, 0.3727, 0.4411)$

Have a look what the booklet for
Yxy(75.8999, 0.3727, 0.4411)
contains.

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Color

Yxy(75.8704, 0.3729, 0.4410)

Conversions

Conversions Part 1

Format	Color
Hex	E1E981
RGB	225, 233, 129
RGB Percent	88%, 91%, 51%
CMY	0.1176, 0.0863, 0.4943
CMYK	0.03, 0.00, 0.45, 0.09
HSL	65°, 70%, 71%
HSV	65°, 45%, 91%
XYZ	64.1544, 75.8704, 32.0170
YIQ	218.7520, 28.6160, -34.0400

Conversions

Conversions Part 2

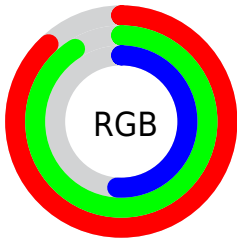
Format	Color
RYB	129, 233, 137
Decimal	14805377
CIELab	89.80, -17.43, 49.42
CIELCh	90, 52.402, 109.432
Yxy	75.8704, 0.3729, 0.4410
Android (android.graphics.Color)	4292995457 (0xFFE1E981)
YUV	218.7520, -44.2477, 5.4795
Hunter-Lab	87.1036, -20.9609, 39.1791

Details

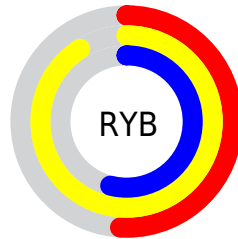
The Yxy color **75.8704, 0.3729, 0.4410** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.8871, 0.2342, 0.1916**, and the grayscale version is **70.9562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **40.3049, 0.3836, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **75.0375, 0.3841, 0.4632**, and if you desaturate by 10%, it is **76.8545, 0.3602, 0.4167**.

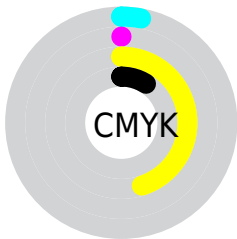
Distribution



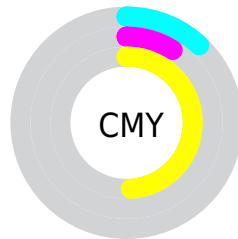
- Red (88%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (54%)



- Cyan (3%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (12%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8704, 0.3729, 0.4410 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 75.8704, 0.3729, 0.4410 by changing the saturation by 10% instead.


 75.8704, 0.3729,
0.4410

 75.8704, 0.3729,
0.4410


480.9039, 0.3474,
0.3891


 56.3262, 0.3779,
0.4525


 127.5437, 0.3647,
0.4232

 40.4646, 0.3836,
0.4664


 160.4416, 0.3613,
0.4162

 27.9009, 0.3899,
0.4835


 198.5596, 0.3583,
0.4101

 18.2510, 0.3965,
0.5047

242.2820, 0.3556,
0.4049

 11.1303, 0.4026,
0.5309

291.9932, 0.3532,
0.4002

 6.1546, 0.4133,
0.5739

348.0777, 0.3511,

 2.9393, 0.3988,

0.3961

0.6012

410.9198, 0.3491,
0.3924

■ 1.1001, 0.3550,
0.6450

■ 0.0000, 0.0000,
0.0000

■ 75.8704, 0.3729,
0.4410

■ 75.8704, 0.3729,
0.4410

■ 75.0375, 0.3841,
0.4632

■ 76.8545, 0.3602,
0.4167

■ 74.3356, 0.3933,
0.4822


■ 77.9882, 0.3467,
0.3912


■ 73.7573, 0.4000,
0.4972

■ 79.2831, 0.3328,
0.3655

■ 73.2899, 0.4041,
0.5078

■ 80.7467, 0.3190,
0.3404


 72.9176, 0.4056,
0.5140


 82.3860, 0.3057,
0.3163

 72.7446, 0.4058,
0.5160

 83.2894, 0.3011,
0.3069

 83.5967, 0.3022,
0.3070

 83.9070, 0.3034,
0.3071

 84.2205, 0.3046,
0.3072

Harmonies

Analogous

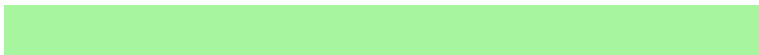
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8704, 0.4191, 0.4142



75.8704, 0.3729, 0.4410



75.8704, 0.3131, 0.4332

Triad

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



75.8704, 0.3729, 0.4410



75.8704, 0.2023, 0.2687



75.8704, 0.3660, 0.2793

Complementary

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



75.8704, 0.3729, 0.4410



26.8871, 0.2342, 0.1916

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.



75.8704, 0.3023, 0.2474



75.8704, 0.3729, 0.4410



75.8704, 0.2129, 0.2388

Square

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



75.8704, 0.3729, 0.4410



75.8704, 0.2170, 0.3220



75.8704, 0.2474, 0.2326



75.8704, 0.4175, 0.3226

Rectangle

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



75.8704, 0.3729, 0.4410



75.8704, 0.2738, 0.4054



75.8704, 0.2474, 0.2326



75.8704, 0.3449, 0.2671

Sweetspot

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



75.8738, 0.3729, 0.4410



97.5665, 0.3306, 0.3614



36.4871, 0.4284, 0.3372



20.8025, 0.3337, 0.3671



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.



75.8738, 0.3729, 0.4410



92.1216, 0.3837, 0.4624



68.8674, 0.3353, 0.4566



17.5647, 0.3256, 0.3524



41.3002, 0.4060, 0.5159



3.2606, 0.4079, 0.5143

Inverse Universe

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



26.8871, 0.2342, 0.1916



24.5917, 0.2143, 0.1581



32.2542, 0.2764, 0.2060



14.6042, 0.2992, 0.3047



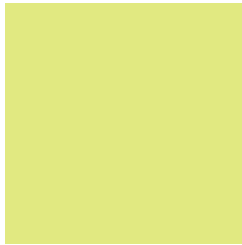
3.4308, 0.1525, 0.0614



0.2887, 0.1589, 0.0649

Previews

White Background



This preview shows how the Yxy color 75.8704, 0.3729, 0.4410 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 75.8704, 0.3729, 0.4410 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 75.8704, 0.3729, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 75.8704, 0.3729, 0.4410.



This preview shows how white text looks on a background with the Yxy color 75.8704, 0.3729, 0.4410.

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

75.8704, 0.3729, 0.4410

Protanopia

75.8555, 0.3953, 0.4304

Deuteranopia

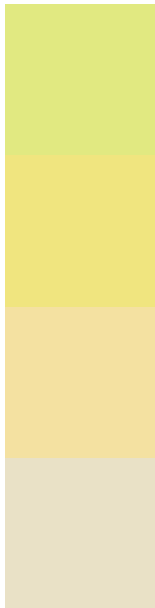
75.7011, 0.3675, 0.3711



Tritanopia

75.3640, 0.3129, 0.3105

Trichromacy



Original Color

75.8704, 0.3729, 0.4410

Protanomaly

76.0962, 0.3872, 0.4346

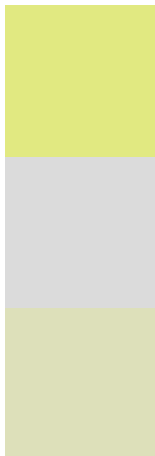
Deuteranomaly

75.6567, 0.3701, 0.3963

Tritanomaly

75.2513, 0.3365, 0.3580

Monochromacy



Original Color

75.8704, 0.3729, 0.4410

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

72.2286, 0.3359, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8704, 0.3729, 0.4410 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(225, 233, 129)` looks like.

```
.text, #text, p{  
    color:rgb(225, 233, 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(225, 233, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 233, 129) }
```

Border

The CSS property to change the border of an element to Yxy 75.8704, 0.3729, 0.4410 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(225, 233, 129) }
```

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

```
.border{ border-color:rgb(225, 233, 129) }
```

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

Here you see how a box with a 4 pixel rgb(225, 233, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 233, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 233, 129);  
box-shadow:4px 4px 4px 4px rgb(225, 233,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8704, 0.3729, 0.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 233, 129) }
```

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

```
.background{ background-color: rgb(225,  
233, 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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