

Converting Colors

$Y_{xy}(73.8541, 0.4106, 0.4767)$

Have a look what the booklet for
Yxy(73.8541, 0.4106, 0.4767)
contains.

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Color

Yxy(73.8141, 0.4108, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	ECE44A
RGB	236, 228, 74
RGB Percent	93%, 89%, 29%
CMY	0.0745, 0.1059, 0.7101
CMYK	0.00, 0.03, 0.69, 0.07
HSL	57°, 81%, 61%
HSV	57°, 69%, 93%
XYZ	63.5699, 73.8141, 17.3626
YIQ	212.8360, 54.2020, -46.1980

Conversions

Conversions Part 2

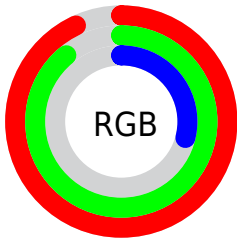
Format	Color
R _Y B	82, 236, 74
Decimal	15524938
CIE Lab	88.83, -14.61, 72.29
CIE LCh	89, 73.756, 101.426
Yxy	73.8141, 0.4108, 0.4770
Android (android.graphics.Color)	4293715018 (0xFFECE44A)
YUV	212.8360, -68.4461, 20.3148
Hunter-Lab	85.9151, -18.2767, 48.1587

Details

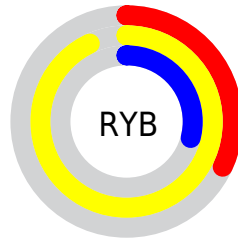
The Yxy color **73.8141, 0.4108, 0.4770** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.5325, 0.1818, 0.1173**, and the grayscale version is **66.8608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **39.2343, 0.4233, 0.5021** is the 20% darker color. If you saturate the color by 10%, you get **72.9189, 0.4192, 0.4882**, and if you desaturate by 10%, it is **74.8397, 0.3999, 0.4615**.

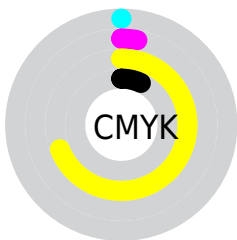
Distribution



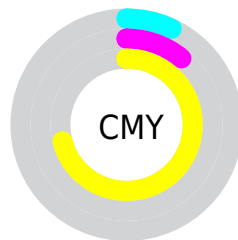
- Red (93%)
- Green (89%)
- Blue (29%)



- Red (32%)
- Yellow (93%)
- Blue (29%)



- Cyan (0%)
- Magenta (3%)
- Yellow (69%)
- Black (7%)





- Cyan (7%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8141, 0.4108, 0.4770 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 73.8141, 0.4108, 0.4770 by changing the saturation by 10% instead.


 73.8141, 0.4108,
0.4770

 73.8141, 0.4108,
0.4770


473.8315, 0.3714,
0.4119

 54.6419, 0.4175,
0.4899


 124.6322, 0.3989,
0.4558

 39.1151, 0.4244,
0.5046


 157.0470, 0.3937,
0.4471


 26.8493, 0.4308,
0.5209


 194.6447, 0.3890,
0.4394

 17.4601, 0.4357,
0.5386

 237.8097, 0.3848,
0.4326

 10.5630, 0.4397,
0.5603

 286.9266, 0.3809,
0.4266

 5.7738, 0.4288,
0.5712

342.3795, 0.3774,

 2.7080, 0.4115,

0.4211

0.5885

404.5531, 0.3743,
0.4163

0.9813, 0.3686,
0.6314

0.0000, 0.0000,
0.0000

73.8141, 0.4108,
0.4770

73.8141, 0.4108,
0.4770

72.9189, 0.4192,
0.4882

74.8397, 0.3999,
0.4615

72.1297, 0.4248,
0.4950


75.9973, 0.3869,
0.4425

71.4289, 0.4280,
0.4979


77.3009, 0.3723,
0.4208

71.3389, 0.4283,
0.4981


78.7600, 0.3569,
0.3974

 80.3831, 0.3412,
0.3733

 82.1784, 0.3257,
0.3493

 84.1531, 0.3108,
0.3260

 85.8063, 0.3012,
0.3113

 86.4837, 0.3012,
0.3125

Harmonies

Analogous

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



73.8141, 0.4694, 0.4242



73.8141, 0.4108, 0.4770



73.8141, 0.3309, 0.4905

Triad

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



73.8141, 0.4108, 0.4770



73.8141, 0.1659, 0.2582



73.8141, 0.3627, 0.2479

Complementary

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



73.8141, 0.4108, 0.4770



13.5325, 0.1818, 0.1173

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.



73.8141, 0.2740, 0.2119



73.8141, 0.4108, 0.4770



73.8141, 0.1718, 0.2121

Square

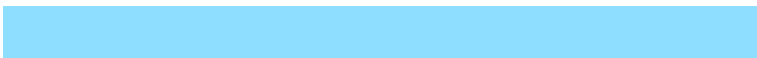
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.8141, 0.4108, 0.4770



73.8141, 0.1917, 0.3403



73.8141, 0.2078, 0.1987



73.8141, 0.4456, 0.3004

Rectangle

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



73.8141, 0.4108, 0.4770



73.8141, 0.2760, 0.4619



73.8141, 0.2078, 0.1987



73.8141, 0.3320, 0.2337

Sweetspot

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



73.8176, 0.4108, 0.4770



95.3448, 0.3450, 0.3791



23.3311, 0.5330, 0.3225



20.2914, 0.3494, 0.3859



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.



73.8176, 0.4108, 0.4770



86.5723, 0.4215, 0.4912



68.2787, 0.3516, 0.5179



17.4922, 0.3269, 0.3512



39.3809, 0.4282, 0.4982



3.1316, 0.4268, 0.4993

Inverse Universe

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



13.5325, 0.1818, 0.1173



10.6475, 0.1624, 0.0840



17.1349, 0.2315, 0.1340



14.6680, 0.2980, 0.3058



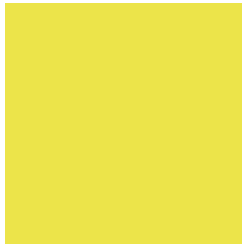
3.5321, 0.1509, 0.0631



0.3195, 0.1532, 0.0716

Previews

White Background



This preview shows how the Yxy color 73.8141, 0.4108, 0.4770 looks on a white background.

Color Contrast Check

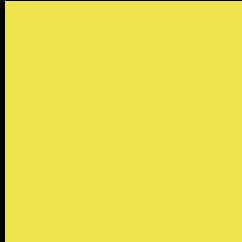
Large Text (above 18pt) WCAG AA × Fail

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 73.8141, 0.4108, 0.4770 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 73.8141, 0.4108, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 73.8141, 0.4108, 0.4770.



This preview shows how white text looks on a background with the Yxy color 73.8141, 0.4108, 0.4770.

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

73.8141, 0.4108, 0.4770

Protanopia

73.5804, 0.4253, 0.4670

Deuteranopia

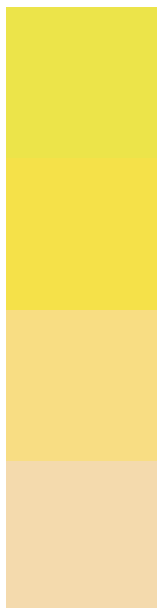
73.5660, 0.3793, 0.3835



Tritanopia

73.4414, 0.3275, 0.3118

Trichromacy



Original Color

73.8141, 0.4108, 0.4770

Protanomaly

73.7439, 0.4201, 0.4709

Deuteranomaly

73.3081, 0.3947, 0.4214

Tritanomaly

72.3930, 0.3639, 0.3768

Monochromacy



Original Color

73.8141, 0.4108, 0.4770

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.1236, 0.3537, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8141, 0.4108, 0.4770 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(236, 228, 74)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 74)  
}
```

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(236, 228, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 74) }
```

Border

The CSS property to change the border of an element to Yxy 73.8141, 0.4108, 0.4770 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(236, 228, 74) }
```

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

```
.border{ border-color:rgb(236, 228, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 74);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8141, 0.4108, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 74) }
```

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

```
.background{ background-color: rgb(236,  
228, 74) }
```

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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