

Converting Colors

$Yxy(70.8924, 0.3803, 0.4397)$

Have a look what the booklet for
Yxy(70.8924, 0.3803, 0.4397)
contains.

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Color

Yxy(70.7240, 0.3808, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	E1E07A
RGB	225, 224, 122
RGB Percent	88%, 88%, 48%
CMY	0.1176, 0.1216, 0.5217
CMYK	0.00, 0.00, 0.46, 0.12
HSL	59°, 63%, 68%
HSV	59°, 46%, 88%
XYZ	61.2223, 70.7240, 28.8266
YIQ	212.6710, 33.3380, -31.5100

Conversions

Conversions Part 2

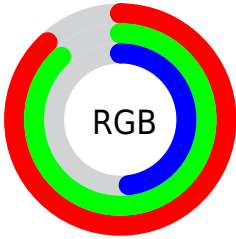
Format	Color
RYB	123, 225, 122
Decimal	14803066
CIELab	87.35, -13.67, 49.77
CIElCh	87, 51.611, 105.355
Yxy	70.7240, 0.3808, 0.4399
Android (android.graphics.Color)	4292993146 (0xFFE1E07A)
YUV	212.6710, -44.7008, 10.8125
Hunter-Lab	84.0976, -17.2242, 38.5451

Details

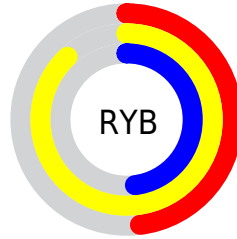
The Yxy color **70.7240, 0.3808, 0.4399** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.7353, 0.2264, 0.1873**, and the grayscale version is **66.5974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **37.1430, 0.3936, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **70.1136, 0.3934, 0.4602**, and if you desaturate by 10%, it is **71.4701, 0.3667, 0.4170**.

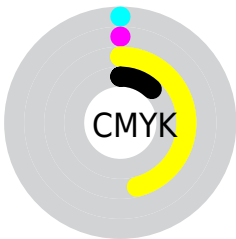
Distribution



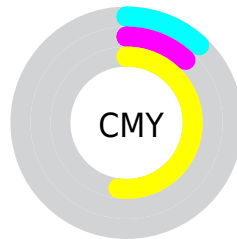
- Red (88%)
- Green (88%)
- Blue (48%)



- Red (48%)
- Yellow (88%)
- Blue (48%)



- Cyan (0%)
- Magenta (0%)
- Yellow (46%)
- Black (12%)



- Cyan (12%)
- Magenta (12%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7240, 0.3808, 0.4399 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 70.7240, 0.3808, 0.4399 by changing the saturation by 10% instead.

 70.7240, 0.3808,
0.4399


 70.7240, 0.3808,
0.4399


463.0880, 0.3513,
0.3884

 52.1170, 0.3867,
0.4513


 120.2407, 0.3712,
0.4222

 37.0983, 0.3935,
0.4651


 151.9191, 0.3672,
0.4153

 25.2836, 0.4011,
0.4818


 188.7234, 0.3637,
0.4093

 16.2885, 0.4094,
0.5024

231.0381, 0.3607,
0.4040

 9.7285, 0.4171,
0.5274

279.2475, 0.3579,
0.3994

 5.2193, 0.4308,
0.5692

333.7361, 0.3555,

 2.3765, 0.4133,

0.3953

0.5867

394.8881, 0.3533,
0.3917

0.8138, 0.3509,
0.6491

0.0000, 0.0000,
0.0000

70.7240, 0.3808,
0.4399

70.7240, 0.3808,
0.4399

70.1136, 0.3934,
0.4602

71.4701, 0.3667,
0.4170

69.6202, 0.4039,
0.4772

72.3505, 0.3517,
0.3927


69.2368, 0.4120,
0.4900


73.3758, 0.3364,
0.3677

68.9516, 0.4174,
0.4985

74.5530, 0.3213,
0.3430

 68.7498, 0.4203,
0.5028


 75.8886, 0.3067,
0.3191

 68.6793, 0.4211,
0.5039

 77.2604, 0.2940,
0.2984

 77.3806, 0.2940,
0.2987

 77.5009, 0.2940,
0.2989

 77.6213, 0.2940,
0.2991

Harmonies

Analogous

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



70.7240, 0.4243, 0.4094



70.7240, 0.3808, 0.4399



70.7240, 0.3214, 0.4378

Triad

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



70.7240, 0.3808, 0.4399



70.7240, 0.2020, 0.2742



70.7240, 0.3578, 0.2737

Complementary

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



70.7240, 0.3808, 0.4399



23.7353, 0.2264, 0.1873

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.



70.7240, 0.2937, 0.2437



70.7240, 0.3808, 0.4399



70.7240, 0.2093, 0.2407

Square

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



70.7240, 0.3808, 0.4399



70.7240, 0.2202, 0.3306



70.7240, 0.2409, 0.2315



70.7240, 0.4129, 0.3162

Rectangle

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



70.7240, 0.3808, 0.4399



70.7240, 0.2812, 0.4131



70.7240, 0.2409, 0.2315



70.7240, 0.3363, 0.2620

Sweetspot

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



70.7272, 0.3808, 0.4399



97.6861, 0.3338, 0.3635



31.3698, 0.4344, 0.3274



20.8403, 0.3371, 0.3689



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.



70.7272, 0.3808, 0.4399



93.1338, 0.3929, 0.4595



64.4026, 0.3419, 0.4572



16.0052, 0.3267, 0.3519



39.5803, 0.4210, 0.5039



2.7511, 0.4208, 0.5041

Inverse Universe

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



23.7353, 0.2264, 0.1873



23.3690, 0.2060, 0.1536



28.0948, 0.2674, 0.2002



13.2648, 0.2980, 0.3050



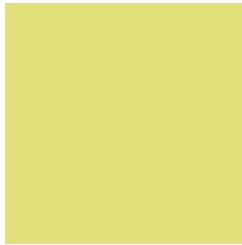
3.1702, 0.1502, 0.0607



0.2275, 0.1507, 0.0626

Previews

White Background



This preview shows how the Yxy color 70.7240, 0.3808, 0.4399 looks on a white background.

Color Contrast Check

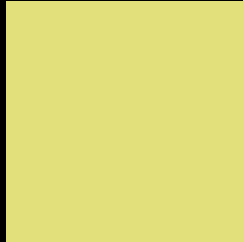
Large Text (above 18pt) WCAG AA × Fail

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 70.7240, 0.3808, 0.4399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

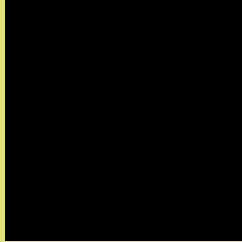
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7240, 0.3808, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 70.7240, 0.3808, 0.4399.



This preview shows how white text looks on a background with the Yxy color 70.7240, 0.3808, 0.4399.

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

70.7240, 0.3808, 0.4399

Protanopia

70.7199, 0.3970, 0.4320

Deuteranopia

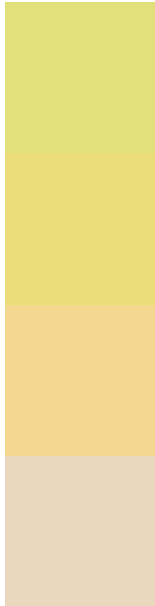
70.2829, 0.3867, 0.3848



Tritanopia

70.6929, 0.3201, 0.3123

Trichromacy



Original Color

70.7240, 0.3808, 0.4399

Protanomaly

70.7555, 0.3907, 0.4348

Deuteranomaly

70.3584, 0.3851, 0.4051

Tritanomaly

70.1095, 0.3443, 0.3585

Monochromacy



Original Color

70.7240, 0.3808, 0.4399

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.6727, 0.3382, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7240, 0.3808, 0.4399 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, 224, 122)` looks like.

```
.text, #text, p{  
    color:rgb(225, 224, 122)  
}
```

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, 224, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 224, 122) }
```

Border

The CSS property to change the border of an element to Yxy 70.7240, 0.3808, 0.4399 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, 224, 122) }
```

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

```
.border{ border-color:rgb(225, 224, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 224, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 224, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 224, 122);  
box-shadow:4px 4px 4px 4px rgb(225, 224,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7240, 0.3808, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 224, 122) }
```

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

```
.background{ background-color: rgb(225,  
224, 122) }
```

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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