

Converting Colors

$Y_{xy}(71.0239, 0.4078, 0.4555)$

Have a look what the booklet for
Yxy(71.0239, 0.4078, 0.4555)
contains.

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Color

Yxy(70.9082, 0.4078, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	EFDD60
RGB	239, 221, 96
RGB Percent	94%, 87%, 38%
CMY	0.0627, 0.1333, 0.6235
CMYK	0.00, 0.08, 0.60, 0.06
HSL	52°, 82%, 66%
HSV	52°, 60%, 94%
XYZ	63.5664, 70.9082, 21.4018
YIQ	212.1320, 50.8530, -35.0590

Conversions

Conversions Part 2

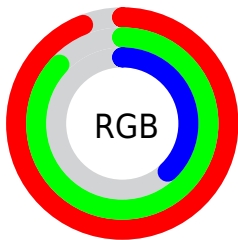
Format	Color
RYB	117, 239, 96
Decimal	15719776
CIELab	87.44, -8.61, 62.06
CIELCh	87, 62.654, 97.899
Yxy	70.9082, 0.4078, 0.4549
Android (android.graphics.Color)	4293909856 (0xFFEFDD60)
YUV	212.1320, -57.2531, 23.5632
Hunter-Lab	84.2070, -12.6157, 43.8759

Details

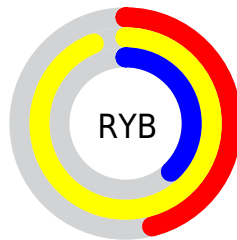
The Yxy color **70.9082, 0.4078, 0.4549** is a light color, and the websafe version is hex **CCCC33**. A complement of this color would be **20.7549, 0.2010, 0.1579**, and the grayscale version is **66.2961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **37.1289, 0.4242, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **68.9614, 0.4207, 0.4691**, and if you desaturate by 10%, it is **73.0240, 0.3930, 0.4372**.

Distribution



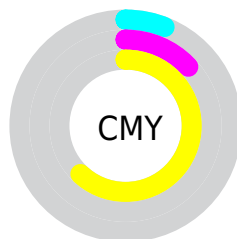
- Red (94%)
- Green (87%)
- Blue (38%)



- Red (46%)
- Yellow (94%)
- Blue (38%)



- Cyan (0%)
- Magenta (8%)
- Yellow (60%)
- Black (6%)





- Cyan (6%)
- Magenta (13%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9082, 0.4078, 0.4549 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 70.9082, 0.4078, 0.4549 by changing the saturation by 10% instead.


 70.9082, 0.4078,
0.4549

 70.9082, 0.4078,
0.4549

463.7325, 0.3673,
0.3987

 52.2673, 0.4155,
0.4665

 120.5030, 0.3949,
0.4363


 37.2182, 0.4241,
0.4798

 152.2257, 0.3895,
0.4287

 25.3765, 0.4333,
0.4952


 189.0777, 0.3847,
0.4221

 16.3577, 0.4424,
0.5124

 231.4436, 0.3804,
0.4163

 9.7777, 0.4544,
0.5360

279.7076, 0.3766,
0.4111

 5.2518, 0.4521,
0.5479

334.2541, 0.3732,

 2.3957, 0.4414,

0.4065

0.5586

395.4676, 0.3701,
0.4024

0.8237, 0.4101,
0.5899

0.0000, 0.0000,
0.0000

70.9082, 0.4078,
0.4549

70.9082, 0.4078,
0.4549

68.9614, 0.4207,
0.4691

73.0240, 0.3930,
0.4372

67.1607, 0.4311,
0.4791


75.3098, 0.3769,
0.4169


65.4946, 0.4387,
0.4844


77.7790, 0.3603,
0.3950


63.9380, 0.4437,
0.4858


80.4408, 0.3437,
0.3726


 63.9126, 0.4438,
0.4858

 83.3035, 0.3277,
0.3502

 86.3751, 0.3125,
0.3287

 89.1163, 0.3031,
0.3162

 90.9230, 0.3030,
0.3192

 92.7593, 0.3030,
0.3222

Harmonies

Analogous

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



70.9082, 0.4540, 0.4093



70.9082, 0.4078, 0.4549



70.9082, 0.3394, 0.4681

Triad

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



70.9082, 0.4078, 0.4549



70.9082, 0.1843, 0.2759



70.9082, 0.3472, 0.2530

Complementary

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



70.9082, 0.4078, 0.4549



20.7549, 0.2010, 0.1579

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.



70.9082, 0.2716, 0.2229



70.9082, 0.4078, 0.4549



70.9082, 0.1859, 0.2302

Square

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



70.9082, 0.4078, 0.4549



70.9082, 0.2119, 0.3496



70.9082, 0.2154, 0.2140



70.9082, 0.4202, 0.2991

Rectangle

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



70.9082, 0.4078, 0.4549



70.9082, 0.2907, 0.4473



70.9082, 0.2154, 0.2140



70.9082, 0.3208, 0.2409

Sweetspot

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



70.9115, 0.4078, 0.4549



93.7567, 0.3409, 0.3686



27.9573, 0.4753, 0.3099



19.8674, 0.3456, 0.3751



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.



70.9115, 0.4078, 0.4549



79.3687, 0.4234, 0.4719



73.0931, 0.3586, 0.4911



18.0995, 0.3271, 0.3495



35.4512, 0.4433, 0.4862



3.0434, 0.4397, 0.4891

Inverse Universe

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



20.7549, 0.2010, 0.1579



16.6720, 0.1793, 0.1209



20.9349, 0.2340, 0.1528



15.5493, 0.2980, 0.3077



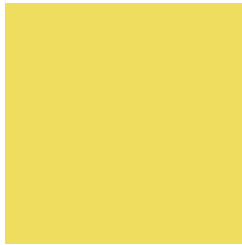
4.0613, 0.1527, 0.0695



0.4398, 0.1576, 0.0874

Previews

White Background



This preview shows how the Yxy color 70.9082, 0.4078, 0.4549 looks on a white background.

Color Contrast Check

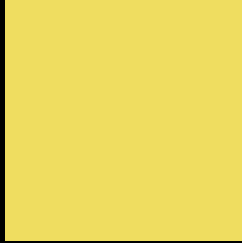
Large Text (above 18pt) WCAG AA × Fail

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 70.9082, 0.4078, 0.4549 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 70.9082, 0.4078, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 70.9082, 0.4078, 0.4549.

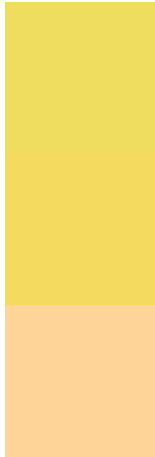


This preview shows how white text looks on a background with the Yxy color 70.9082, 0.4078, 0.4549.

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

70.9082, 0.4078, 0.4549

Protanopia

70.7407, 0.4130, 0.4512

Deuteranopia

70.6469, 0.3892, 0.3898



Tritanopia

71.0028, 0.3339, 0.3127

Trichromacy



Original Color

70.9082, 0.4078, 0.4549

Protanomaly

70.9082, 0.4108, 0.4528

Deuteranomaly

70.4066, 0.3977, 0.4146

Tritanomaly

70.5370, 0.3648, 0.3671

Monochromacy



Original Color

70.9082, 0.4078, 0.4549

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.0328, 0.3496, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9082, 0.4078, 0.4549 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(239, 221, 96)` looks like.

```
.text, #text, p{  
    color:rgb(239, 221, 96)  
}
```

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(239, 221, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 221, 96) }
```

Border

The CSS property to change the border of an element to Yxy 70.9082, 0.4078, 0.4549 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(239, 221, 96) }
```

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

```
.border{ border-color:rgb(239, 221, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 221, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 221, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 221, 96);  
box-shadow:4px 4px 4px 4px rgb(239, 221,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9082, 0.4078, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 221, 96) }
```

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

```
.background{ background-color: rgb(239,  
221, 96) }
```

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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