

Converting Colors

$Y_{xy}(70.7267, 0.3985, 0.4314)$

Have a look what the booklet for
Yxy(70.7267, 0.3985, 0.4314)
contains.

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Color

Yxy(70.8963, 0.3978, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	F2DB78
RGB	242, 219, 120
RGB Percent	95%, 86%, 47%
CMY	0.0509, 0.1412, 0.5292
CMYK	0.00, 0.10, 0.50, 0.05
HSL	49°, 82%, 71%
HSV	49°, 50%, 95%
XYZ	65.3442, 70.8963, 28.0234
YIQ	214.5910, 45.4870, -25.9130

Conversions

Conversions Part 2

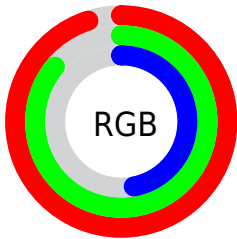
Format	Color
RYB	148, 242, 120
Decimal	15915896
CIELab	87.43, -4.55, 51.12
CIELCh	87, 51.319, 95.083
Yxy	70.8963, 0.3978, 0.4316
Android (android.graphics.Color)	4294105976 (0xFFFF2DB78)
YUV	214.5910, -46.6334, 24.0377
Hunter-Lab	84.1999, -8.8232, 39.2071

Details

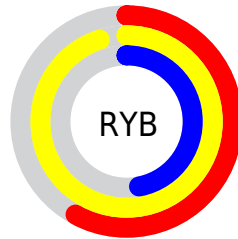
The Yxy color **70.8963, 0.3978, 0.4316** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.0690, 0.2215, 0.1982**, and the grayscale version is **67.9674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **37.1586, 0.4152, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **68.0344, 0.4143, 0.4483**, and if you desaturate by 10%, it is **73.9786, 0.3803, 0.4125**.

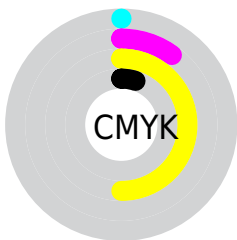
Distribution



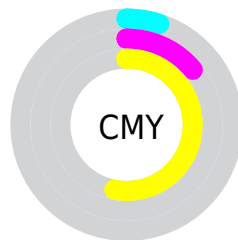
- Red (95%)
- Green (86%)
- Blue (47%)



- Red (58%)
- Yellow (95%)
- Blue (47%)



- Cyan (0%)
- Magenta (10%)
- Yellow (50%)
- Black (5%)




- Cyan (5%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8963, 0.3978, 0.4316 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 70.8963, 0.3978, 0.4316 by changing the saturation by 10% instead.


 70.8963, 0.3978,
0.4316


 70.8963, 0.3978,
0.4316


463.6908, 0.3602,
0.3852

 52.2576, 0.4056,
0.4415


 120.4861, 0.3853,
0.4160

 37.2104, 0.4146,
0.4532

 152.2059, 0.3803,
0.4098

 25.3705, 0.4251,
0.4671


 189.0549, 0.3759,
0.4043

 16.3533, 0.4370,
0.4835

231.4174, 0.3720,
0.3996

 9.7745, 0.4496,
0.5022

279.6778, 0.3685,
0.3953

 5.2497, 0.4689,
0.5311

334.2206, 0.3654,

 2.3945, 0.4633,

0.3916

0.5367

395.4302, 0.3627,
0.3882

■ 0.8231, 0.4492,
0.5508

■ 0.0000, 0.0000,
0.0000

■ 70.8963, 0.3978,
0.4316

■ 70.8963, 0.3978,
0.4316

■ 68.0344, 0.4143,
0.4483

■ 73.9786, 0.3803,
0.4125

■ 65.3711, 0.4292,
0.4615


■ 77.2822, 0.3626,
0.3919


■ 62.8962, 0.4416,
0.4704

■ 80.8202, 0.3453,
0.3708

■ 60.5934, 0.4512,
0.4746


■ 84.6016, 0.3288,
0.3499

 58.5188, 0.4578,
0.4747

 88.6350, 0.3133,
0.3298

 92.2504, 0.3049,
0.3206

 95.0680, 0.3048,
0.3250

 97.6189, 0.3048,
0.3290

Harmonies

Analogous

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



70.8963, 0.4322, 0.3945



70.8963, 0.3978, 0.4316



70.8963, 0.3424, 0.4424

Triad

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



70.8963, 0.3978, 0.4316



70.8963, 0.2060, 0.2916



70.8963, 0.3356, 0.2621

Complementary

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



70.8963, 0.3978, 0.4316



30.0690, 0.2215, 0.1982

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.



70.8963, 0.2739, 0.2378



70.8963, 0.3978, 0.4316



70.8963, 0.2046, 0.2499

Square

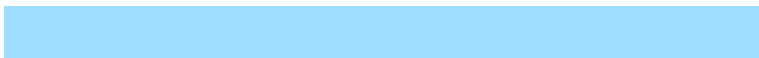
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8963, 0.3978, 0.4316



70.8963, 0.2328, 0.3529



70.8963, 0.2279, 0.2326



70.8963, 0.3960, 0.3008

Rectangle

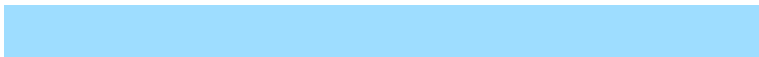
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8963, 0.3978, 0.4316



70.8963, 0.3016, 0.4273



70.8963, 0.2279, 0.2326



70.8963, 0.3141, 0.2521

Sweetspot

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



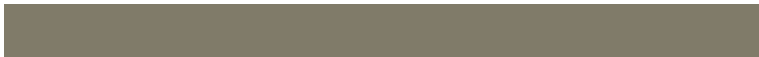
70.8996, 0.3978, 0.4316



93.2589, 0.3363, 0.3596



34.3500, 0.4269, 0.3029



19.7695, 0.3398, 0.3640



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.



70.8996, 0.3978, 0.4316



76.6863, 0.4140, 0.4479



77.9060, 0.3598, 0.4638



17.9225, 0.3273, 0.3480



31.6245, 0.4571, 0.4753



2.7601, 0.4512, 0.4799

Inverse Universe

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



30.0690, 0.2215, 0.1982



26.2407, 0.2029, 0.1683



26.9868, 0.2425, 0.1789



15.7112, 0.2980, 0.3092



4.6247, 0.1550, 0.0779



0.5164, 0.1612, 0.1001

Previews

White Background



This preview shows how the Yxy color 70.8963, 0.3978, 0.4316 looks on a white background.

Color Contrast Check

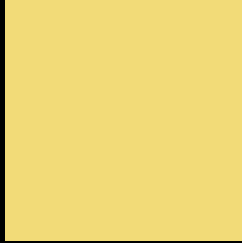
Large Text (above 18pt) WCAG AA × Fail

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 70.8963, 0.3978, 0.4316 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 70.8963, 0.3978, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 70.8963, 0.3978, 0.4316.



This preview shows how white text looks on a background with the Yxy color 70.8963, 0.3978, 0.4316.

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

70.8963, 0.3978, 0.4316

Protanopia

70.7199, 0.3970, 0.4320

Deuteranopia

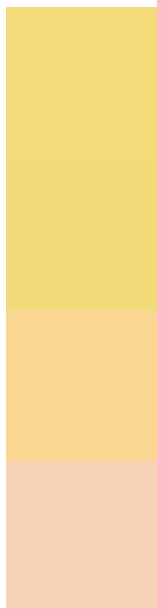
70.7813, 0.3863, 0.3858



Tritanopia

70.6488, 0.3355, 0.3128

Trichromacy



Original Color

70.8963, 0.3978, 0.4316

Protanomaly

70.7199, 0.3970, 0.4320

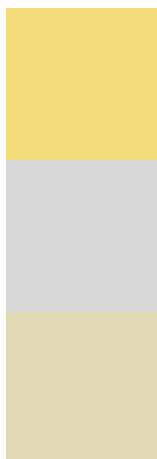
Deuteranomaly

70.9385, 0.3903, 0.4027

Tritanomaly

70.0902, 0.3594, 0.3554

Monochromacy



Original Color

70.8963, 0.3978, 0.4316

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.4146, 0.3446, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8963, 0.3978, 0.4316 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(242, 219, 120)` looks like.

```
.text, #text, p{  
    color:rgb(242, 219, 120)  
}
```

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(242, 219, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 219, 120) }
```

Border

The CSS property to change the border of an element to Yxy 70.8963, 0.3978, 0.4316 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(242, 219, 120) }
```

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

```
.border{ border-color:rgb(242, 219, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 219, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 219, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 219, 120);  
box-shadow:4px 4px 4px 4px rgb(242, 219,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8963, 0.3978, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 219, 120) }
```

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

```
.background{ background-color: rgb(242,  
219, 120) }
```

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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