

Converting Colors

Yxy(81.9411, 0.3693, 0.4369)

Have a look what the booklet for
Yxy(81.9411, 0.3693, 0.4369)
contains.

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Color

Yxy(81.9014, 0.3699, 0.4370)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E8F18A |
| RGB | 232, 241, 138 |
| RGB Percent | 91%, 95%, 54% |
| CMY | 0.0901, 0.0549, 0.4589 |
| CMYK | 0.04, 0.00, 0.43, 0.05 |
| HSL | 65°, 79%, 74% |
| HSV | 65°, 43%, 95% |
| XYZ | 69.3257, 81.9014, 36.1903 |
| YIQ | 226.5670, 27.6990, -33.9410 |

Conversions

Conversions Part 2

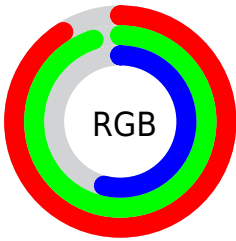
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 138, 241, 147 |
| Decimal | 15266186 |
| CIE Lab | 92.53, -17.73, 48.58 |
| CIE LCh | 93, 51.717, 110.048 |
| Yxy | 81.9014, 0.3699, 0.4370 |
| Android (android.graphics.Color) | 4293456266 (0xFFE8F18A) |
| YUV | 226.5670, -43.6635, 4.7647 |
| Hunter-Lab | 90.4994, -21.6367, 39.6398 |

Details

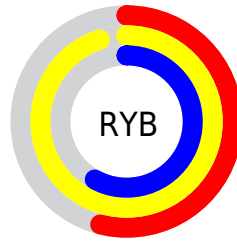
The Yxy color **81.9014, 0.3699, 0.4370** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.7208, 0.2388, 0.1983**, and the grayscale version is **76.7961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **44.4678, 0.3804, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **80.9335, 0.3812, 0.4599**, and if you desaturate by 10%, it is **83.0358, 0.3572, 0.4122**.

Distribution



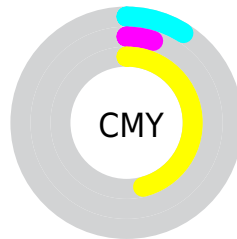
- Red (91%)
- Green (95%)
- Blue (54%)



- Red (54%)
- Yellow (95%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (43%)
- Black (5%)





- Cyan (9%)
- Magenta (5%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9014, 0.3699, 0.4370 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 81.9014, 0.3699, 0.4370 by changing the saturation by 10% instead.


 81.9014, 0.3699,
0.4370


 81.9014, 0.3699,
0.4370


501.3178, 0.3459,
0.3875

 61.2843, 0.3746,
0.4479


 136.0357, 0.3622,
0.4201

 44.4546, 0.3799,
0.4610


 170.3217, 0.3590,
0.4134

 31.0281, 0.3859,
0.4771


 209.9327, 0.3562,
0.4077

 20.6202, 0.3924,
0.4971

255.2533, 0.3537,
0.4026

 12.8467, 0.3987,
0.5220

306.6676, 0.3514,
0.3982

 7.3231, 0.4048,
0.5554

364.5602, 0.3494,

 3.6649, 0.4039,

0.3942

0.5961

429.3155, 0.3476,
0.3907

■ 1.4880, 0.3734,
0.6266

■ 0.2802, 0.0000,
1.0000

■ 81.9014, 0.3699,
0.4370

■ 81.9014, 0.3699,
0.4370

■ 80.9335, 0.3812,
0.4599

■ 83.0358, 0.3572,
0.4122

■ 80.1105, 0.3906,
0.4797

■ 84.3350, 0.3437,
0.3865


■ 79.4246, 0.3976,
0.4958

■ 85.8113, 0.3300,
0.3607

■ 78.8623, 0.4020,
0.5074


■ 87.4729, 0.3164,
0.3357


 78.4074, 0.4038,
0.5145


 89.1011, 0.3053,
0.3152

 78.1266, 0.4039,
0.5175

 89.4760, 0.3067,
0.3153

 89.8551, 0.3080,
0.3153

 90.2385, 0.3094,
0.3154

 90.6262, 0.3107,
0.3155

Harmonies

Analogous

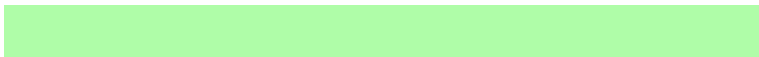
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9014, 0.4147, 0.4122



81.9014, 0.3699, 0.4370



81.9014, 0.3121, 0.4283

Triad

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



81.9014, 0.3699, 0.4370



81.9014, 0.2060, 0.2703



81.9014, 0.3652, 0.2818

Complementary

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



81.9014, 0.3699, 0.4370



30.7208, 0.2388, 0.1983

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.



81.9014, 0.3040, 0.2506



81.9014, 0.3699, 0.4370



81.9014, 0.2167, 0.2416

Square

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



81.9014, 0.3699, 0.4370



81.9014, 0.2198, 0.3213



81.9014, 0.2507, 0.2359



81.9014, 0.4142, 0.3240

Rectangle

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



81.9014, 0.3699, 0.4370



81.9014, 0.2743, 0.4012



81.9014, 0.2507, 0.2359



81.9014, 0.3451, 0.2699

Sweetspot

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



81.9051, 0.3699, 0.4370



97.5021, 0.3304, 0.3615



41.2673, 0.4206, 0.3388



20.7864, 0.3334, 0.3671



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

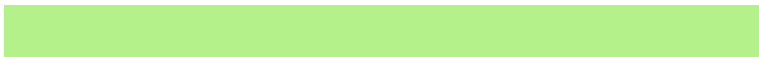
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9051, 0.3699, 0.4370



92.1730, 0.3795, 0.4564



74.5576, 0.3335, 0.4514



18.3849, 0.3255, 0.3524



42.3961, 0.4041, 0.5173



3.5474, 0.4063, 0.5156

Inverse Universe

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



30.7208, 0.2388, 0.1983



27.1325, 0.2214, 0.1689



36.5377, 0.2798, 0.2118



15.2946, 0.2993, 0.3047



3.5541, 0.1529, 0.0616



0.3180, 0.1596, 0.0653

Previews

White Background



This preview shows how the Yxy color 81.9014, 0.3699, 0.4370 looks on a white background.

Color Contrast Check

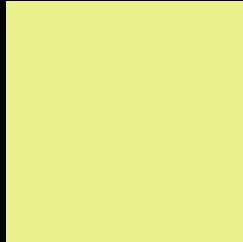
Large Text (above 18pt) WCAG AA × Fail

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 81.9014, 0.3699, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

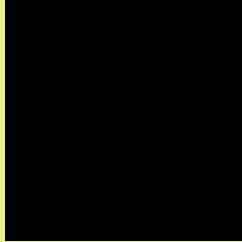
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9014, 0.3699, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 81.9014, 0.3699, 0.4370.

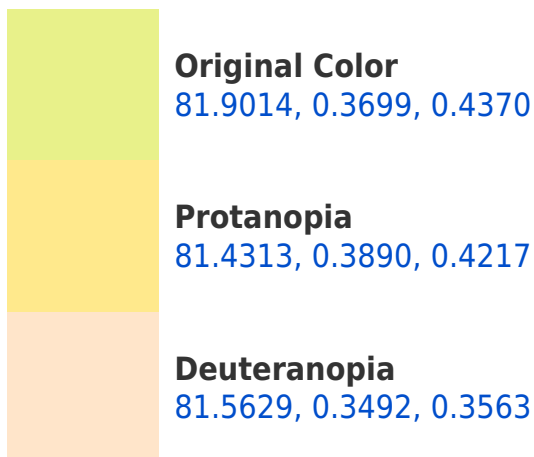


This preview shows how white text looks on a background with the Yxy color 81.9014, 0.3699, 0.4370.

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

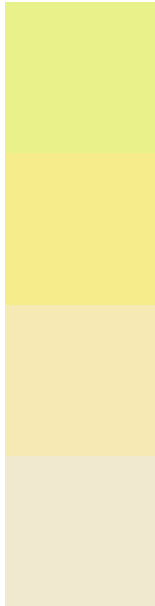




Tritanopia

81.5531, 0.3129, 0.3110

Trichromacy



Original Color

81.9014, 0.3699, 0.4370

Protanomaly

81.6291, 0.3823, 0.4274

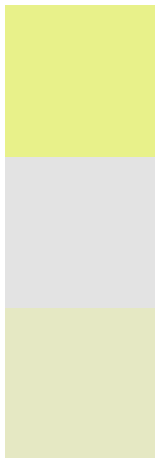
Deuteranomaly

81.3067, 0.3580, 0.3848

Tritanomaly

81.3081, 0.3343, 0.3561

Monochromacy



Original Color

81.9014, 0.3699, 0.4370

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.3114, 0.3345, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9014, 0.3699, 0.4370 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(232, 241, 138)` looks like.

```
.text, #text, p{  
    color:rgb(232, 241, 138)  
}
```

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(232, 241, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 241, 138) }
```

Border

The CSS property to change the border of an element to Yxy 81.9014, 0.3699, 0.4370 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(232, 241, 138) }
```

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

```
.border{ border-color:rgb(232, 241, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 241, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 241, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 241, 138);  
box-shadow:4px 4px 4px 4px rgb(232, 241,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9014, 0.3699, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 241, 138) }
```

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

```
.background{ background-color: rgb(232,  
241, 138) }
```

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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