

Converting Colors

$Yxy(81.5998, 0.3778, 0.4372)$

Have a look what the booklet for
Yxy(81.5998, 0.3778, 0.4372)
contains.

| | |
|--|----|
| Yxy(81.6314, 0.3773, 0.4373) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(81.6314, 0.3773, 0.4373)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | EEEE86 |
| RGB | 238, 239, 134 |
| RGB Percent | 93%, 94%, 53% |
| CMY | 0.0667, 0.0627, 0.4744 |
| CMYK | 0.00, 0.00, 0.44, 0.06 |
| HSL | 61°, 77%, 73% |
| HSV | 61°, 44%, 94% |
| XYZ | 70.4311, 81.6314, 34.6089 |
| YIQ | 226.7310, 33.1090, -32.8670 |

Conversions

Conversions Part 2

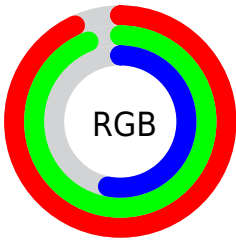
| Format | Color |
|-------------------------------------|--|
| RYB | 134, 239, 135 |
| Decimal | 15658886 |
| CIELab | 92.41, -14.83, 50.43 |
| CIElCh | 92, 52.562, 106.393 |
| Yxy | 81.6314, 0.3773, 0.4373 |
| Android (android.graphics.Color) | 4293848966 (0xFFEEEF86) |
| YUV | 226.7310, -45.7164, 9.8829 |
| Hunter-Lab | 90.3501, -18.9656, 40.5339 |

Details

The Yxy color **81.6314, 0.3773, 0.4373** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.4450, 0.2306, 0.1923**, and the grayscale version is **76.9347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **44.1644, 0.3889, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **81.0021, 0.3898, 0.4585**, and if you desaturate by 10%, it is **82.4189, 0.3633, 0.4137**.

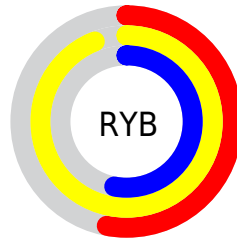
Distribution



Red (93%)

Green (94%)

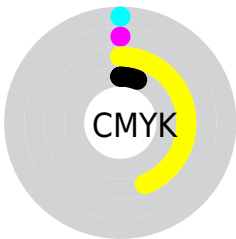
Blue (53%)



Red (53%)

Yellow (94%)

Blue (53%)

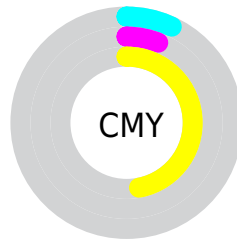


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (6%)



Cyan (7%)


Magenta (6%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6314, 0.3773, 0.4373 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 81.6314, 0.3773, 0.4373 by changing the saturation by 10% instead.


 81.6314, 0.3773,
0.4373


 81.6314, 0.3773,
0.4373


500.4139, 0.3500,
0.3881


 61.0618, 0.3827,
0.4480


 135.6570, 0.3685,
0.4206

 44.2750, 0.3888,
0.4608


 169.8817, 0.3649,
0.4140

 30.8868, 0.3957,
0.4764


 209.4269, 0.3617,
0.4082

 20.5126, 0.4033,
0.4954

254.6770, 0.3588,
0.4032

 12.7682, 0.4109,
0.5188

306.0163, 0.3562,
0.3988

 7.2691, 0.4199,
0.5512

363.8293, 0.3540,

 3.6310, 0.4177,

0.3948

0.5823

428.5004, 0.3519,
0.3913

■ 1.4694, 0.3922,
0.6078

■ 0.2670, 0.0000,
1.0000

■ 81.6314, 0.3773,
0.4373

■ 81.6314, 0.3773,
0.4373

■ 81.0021, 0.3898,
0.4585

■ 82.4189, 0.3633,
0.4137

■ 80.5095, 0.4004,
0.4764


■ 83.3628, 0.3485,
0.3888

■ 80.1459, 0.4085,
0.4903

■ 84.4753, 0.3334,
0.3635


■ 79.8977, 0.4139,
0.4997


■ 85.7644, 0.3184,
0.3386


 79.7488, 0.4168,
0.5049


 87.2376, 0.3041,
0.3146

 79.6917, 0.4176,
0.5066

 87.3716, 0.3033,
0.3131

 87.4115, 0.3035,
0.3131

 87.4515, 0.3036,
0.3131

 87.4915, 0.3038,
0.3132

Harmonies

Analogous

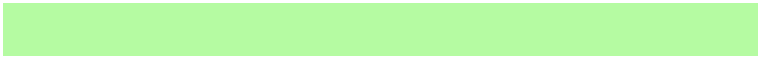
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6314, 0.4203, 0.4089



81.6314, 0.3773, 0.4373



81.6314, 0.3193, 0.4335

Triad

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



81.6314, 0.3773, 0.4373



81.6314, 0.2047, 0.2744



81.6314, 0.3587, 0.2765

Complementary

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



81.6314, 0.3773, 0.4373



28.4450, 0.2306, 0.1923

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.



81.6314, 0.2964, 0.2466



81.6314, 0.3773, 0.4373



81.6314, 0.2126, 0.2424

Square

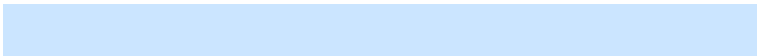
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6314, 0.3773, 0.4373



81.6314, 0.2217, 0.3285



81.6314, 0.2443, 0.2340



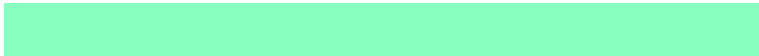
81.6314, 0.4114, 0.3182

Rectangle

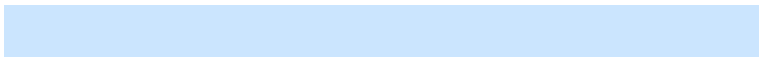
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6314, 0.3773, 0.4373



81.6314, 0.2803, 0.4087



81.6314, 0.2443, 0.2340



81.6314, 0.3379, 0.2649

Sweetspot

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



81.6351, 0.3773, 0.4373



97.9858, 0.3320, 0.3613



37.1325, 0.4296, 0.3293



20.9073, 0.3354, 0.3669



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.



81.6351, 0.3773, 0.4373



93.8879, 0.3890, 0.4570



73.9621, 0.3399, 0.4526



18.4509, 0.3267, 0.3523



44.0409, 0.4177, 0.5066



3.6663, 0.4179, 0.5064

Inverse Universe

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



28.4450, 0.2306, 0.1923



24.6922, 0.2107, 0.1593



33.7952, 0.2710, 0.2059



15.2360, 0.2981, 0.3046



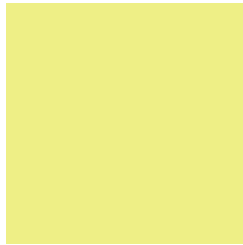
3.4553, 0.1503, 0.0602



0.2900, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 81.6314, 0.3773, 0.4373 looks on a white background.

Color Contrast Check

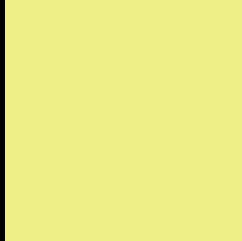
Large Text (above 18pt) WCAG AA × Fail

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 81.6314, 0.3773, 0.4373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

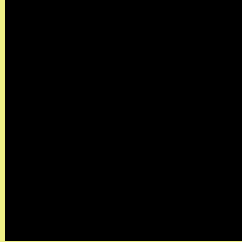
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6314, 0.3773, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 81.6314, 0.3773, 0.4373.

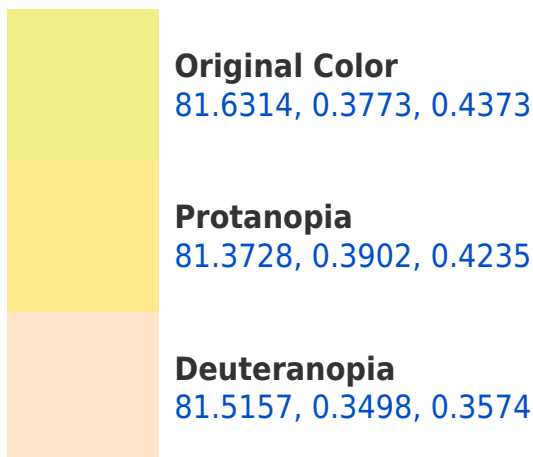


This preview shows how white text looks on a background with the Yxy color 81.6314, 0.3773, 0.4373.

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

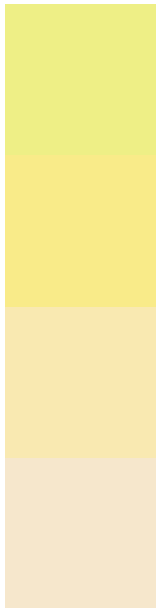




Tritanopia

81.2484, 0.3177, 0.3112

Trichromacy



Original Color

81.6314, 0.3773, 0.4373

Protanomaly

81.3625, 0.3854, 0.4279

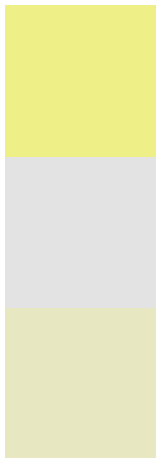
Deuteranomaly

81.5919, 0.3608, 0.3866

Tritanomaly

81.1043, 0.3409, 0.3568

Monochromacy



Original Color

81.6314, 0.3773, 0.4373

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.9910, 0.3374, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6314, 0.3773, 0.4373 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(238, 239, 134)` looks like.

```
.text, #text, p{  
    color:rgb(238, 239, 134)  
}
```

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(238, 239, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 239, 134) }
```

Border

The CSS property to change the border of an element to Yxy 81.6314, 0.3773, 0.4373 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(238, 239, 134) }
```

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

```
.border{ border-color:rgb(238, 239, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 239, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 239, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 239, 134);  
box-shadow:4px 4px 4px 4px rgb(238, 239,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6314, 0.3773, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 239, 134) }
```

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

```
.background{ background-color: rgb(238,  
239, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor