

Converting Colors

Yxy(81.6345, 0.3332, 0.3704)

Have a look what the booklet for
Yxy(81.6345, 0.3332, 0.3704)
contains.

| | |
|-------------------------------------------|----|
| Yxy(81.6345, 0.3332, 0.3704) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(81.6345, 0.3332, 0.3704)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E7EDC6 |
| RGB | 231, 237, 198 |
| RGB Percent | 91%, 93%, 78% |
| CMY | 0.0941, 0.0706, 0.2234 |
| CMYK | 0.03, 0.00, 0.16, 0.07 |
| HSL | 69°, 52%, 85% |
| HSV | 69°, 16%, 93% |
| XYZ | 73.4358, 81.6345, 65.3252 |
| YIQ | 230.7600, 8.9430, -13.4010 |

Conversions

Conversions Part 2

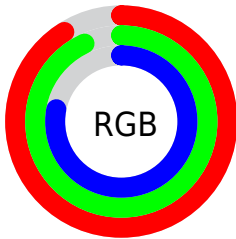
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 198, 237, 204 |
| Decimal | 15199686 |
| CIE Lab | 92.41, -8.50, 18.24 |
| CIE LCh | 92, 20.119, 114.978 |
| Yxy | 81.6345, 0.3332, 0.3704 |
| Android (android.graphics.Color) | 4293389766 (0xFFE7EDC6) |
| YUV | 230.7600, -16.1507, 0.2105 |
| Hunter-Lab | 90.3518, -13.0352, 20.3790 |

Details

The Yxy color **81.6345, 0.3332, 0.3704** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.3529, 0.2902, 0.2852**, and the grayscale version is **79.8446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1753, 0.3375, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **80.0282, 0.3457, 0.3967**, and if you desaturate by 10%, it is **83.4318, 0.3207, 0.3448**.

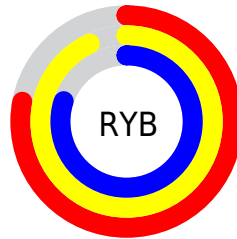
Distribution



Red (91%)

Green (93%)

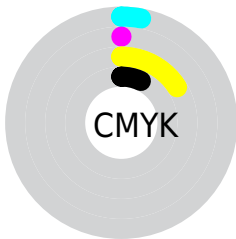
Blue (78%)



Red (78%)

Yellow (93%)

Blue (80%)

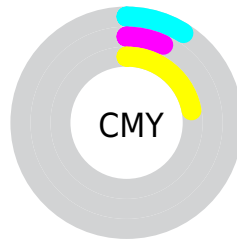


Cyan (3%)

Magenta (0%)

Yellow (16%)

Black (7%)



Cyan (9%)

Magenta (7%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6345, 0.3332, 0.3704 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 81.6345, 0.3332, 0.3704 by changing the saturation by 10% instead.

81.6345, 0.3332,
0.3704

81.6345, 0.3332,
0.3704

500.4243, 0.3241,
0.3513

61.0643, 0.3352,
0.3747

135.6613, 0.3301,
0.3638

44.2771, 0.3376,
0.3800

169.8868, 0.3289,
0.3612

30.8884, 0.3406,
0.3868

209.4327, 0.3278,
0.3590

20.5139, 0.3443,
0.3955

254.6836, 0.3269,
0.3571

12.7691, 0.3492,
0.4073

306.0238, 0.3261,
0.3554

7.2698, 0.3557,
0.4239


363.8377, 0.3253,


3.6314, 0.3646,

0.3539

0.4493


428.5097, 0.3247,
0.3525


 1.4696, 0.3997,
0.5217


 0.2672, 0.1484,
0.8516


 81.6345, 0.3332,
0.3704


 81.6345, 0.3332,
0.3704

 80.0282, 0.3457,
0.3967


 83.4318, 0.3207,
0.3448

 78.5940, 0.3577,
0.4228

 85.4167, 0.3084,
0.3205

 77.3270, 0.3688,
0.4480

 86.6566, 0.3050,
0.3112

 76.2177, 0.3782,
0.4711

 87.3078, 0.3074,
0.3113

■ 75.2556, 0.3856,
0.4910

■ 87.9719, 0.3098,
0.3115

■ 74.4290, 0.3905,
0.5069

■ 88.6490, 0.3121,
0.3116

■ 73.7241, 0.3927,
0.5183

■ 89.0496, 0.3135,
0.3117

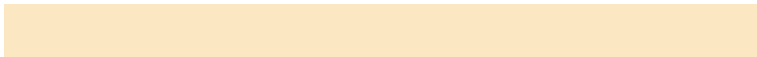
■ 73.1237, 0.3924,
0.5251

■ 72.9255, 0.3920,
0.5269

Harmonies

Analogous

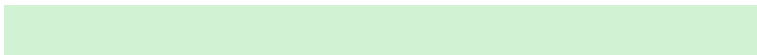
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6345, 0.3513, 0.3655



81.6345, 0.3332, 0.3704



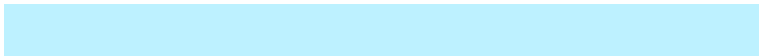
81.6345, 0.3100, 0.3633

Triad

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



81.6345, 0.3332, 0.3704



81.6345, 0.2684, 0.3044



81.6345, 0.3371, 0.3127

Complementary

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



81.6345, 0.3332, 0.3704



59.3529, 0.2902, 0.2852

Split Complementary

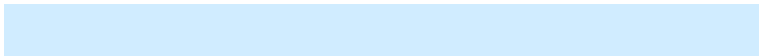
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6345, 0.3141, 0.2978



81.6345, 0.3332, 0.3704



81.6345, 0.2750, 0.2926

Square

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



81.6345, 0.3332, 0.3704



81.6345, 0.2732, 0.3239



81.6345, 0.2914, 0.2905



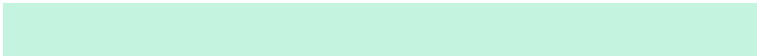
81.6345, 0.3538, 0.3319

Rectangle

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



81.6345, 0.3332, 0.3704



81.6345, 0.2949, 0.3525



81.6345, 0.2914, 0.2905



81.6345, 0.3298, 0.3071

Sweetspot

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



81.6381, 0.3332, 0.3704



98.8359, 0.3189, 0.3413



65.2070, 0.3430, 0.3354



21.1209, 0.3198, 0.3430



0.0000, 0.0000, 0.0000



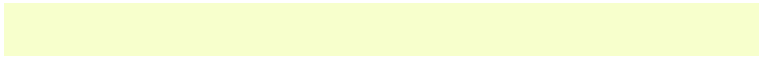
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6381, 0.3332, 0.3704



95.6823, 0.3378, 0.3799



78.5953, 0.3198, 0.3722



17.5028, 0.3244, 0.3524



39.8606, 0.3925, 0.5266



3.1617, 0.3964, 0.5234

Inverse Universe

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



59.3529, 0.2902, 0.2852



64.3795, 0.2845, 0.2744



62.2582, 0.3044, 0.2870



14.6601, 0.3004, 0.3048



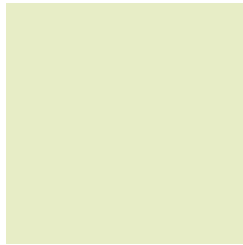
3.5829, 0.1565, 0.0636



0.3153, 0.1674, 0.0696

Previews

White Background



This preview shows how the Yxy color 81.6345, 0.3332, 0.3704 looks on a white background.

Color Contrast Check

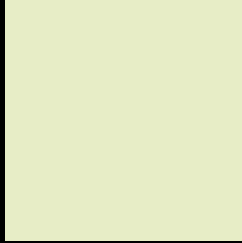
Large Text (above 18pt) WCAG AA × Fail

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 81.6345, 0.3332, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

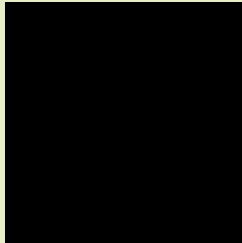
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

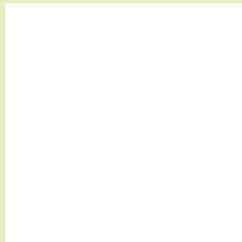
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6345, 0.3332, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 81.6345, 0.3332, 0.3704.

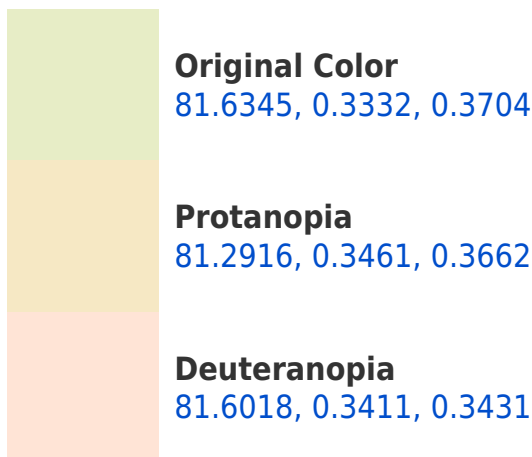


This preview shows how white text looks on a background with the Yxy color 81.6345, 0.3332, 0.3704.

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

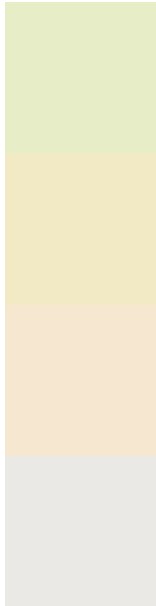




Tritanopia

81.5481, 0.3068, 0.3108

Trichromacy



Original Color

81.6345, 0.3332, 0.3704

Protanomaly

81.5776, 0.3414, 0.3676

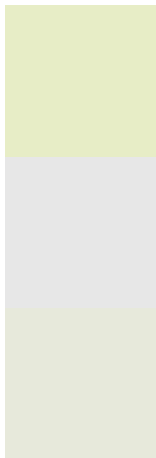
Deuteranomaly

81.2987, 0.3382, 0.3527

Tritanomaly

81.6532, 0.3160, 0.3321

Monochromacy



Original Color

81.6345, 0.3332, 0.3704

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.3812, 0.3202, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6345, 0.3332, 0.3704 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(231, 237, 198)` looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 198)  
}
```

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(231, 237, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 198) }
```

Border

The CSS property to change the border of an element to Yxy 81.6345, 0.3332, 0.3704 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(231, 237, 198) }
```

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

```
.border{ border-color:rgb(231, 237, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 237, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 198);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6345, 0.3332, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 198) }
```

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

```
.background{ background-color: rgb(231,  
237, 198) }
```

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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